

Anhang Tabelle A2: Gliom-assoziierte Antigene im serologischen Spotassay

| Klonnummer | Gene ID | Symbol | Genname                                                     | Chrom.          | Lokalisation | zelluläre Lokalisation                                                                                                                                                | Signalwege                                                                                                                                                                      |
|------------|---------|--------|-------------------------------------------------------------|-----------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |         |        |                                                             |                 |              |                                                                                                                                                                       | focal adhesion,<br>Adherens junction,<br>Tight junction,<br>Leukocyte<br>transendothelial<br>migration, Regulation of<br>actin cytoskeleton,<br>Systemic lupus<br>erythematosus |
| GB 6-17    | 81      | ACTN4  | actinin, alpha 4                                            | 19q13           |              | cortical cytoskeleton,<br>cytoplasm,<br>nucleolus,<br>nucleus,<br>perinuclear region of cytoplasm,<br>protein complex,<br>pseudopodium,<br>stress fiber               |                                                                                                                                                                                 |
| GB 4-17    | 51147   | ING4   | inhibitor of growth family, member 4                        | 12p13.31        |              | nucleus                                                                                                                                                               | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | endoplasmic reticulum,<br>endoplasmic reticulum membrane,<br>integral to endoplasmic reticulum<br>membrane,<br>integral to membrane,<br>membrane,<br>nuclear envelope |                                                                                                                                                                                 |
| 37-3-3     | 57142   | RTN4   | reticulon 4                                                 | 2p16.3          |              |                                                                                                                                                                       | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | cytoplasm,<br>cytoskeleton<br>microtubule,<br>microtubule associated complex                                                                                          |                                                                                                                                                                                 |
| 35-3-3     | 7461    | CLIP2  | CAP-GLY domain containing linker<br>protein 2               | 7q11.23         |              |                                                                                                                                                                       | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | DNA-directed RNA polymerase<br>II, core complex,<br>cytoplasm,<br>membrane,<br>mitochondrion,<br>nucleus                                                              | Tight junction,<br>Pathogenic Escherichia<br>coli infection,<br>Pathogenic Escherichia<br>coli infection – EPEC                                                                 |
| 35-2-3     | 3059    | HCLS1  | hematopoietic cell-specific Lyn<br>substrate 1              | 3q13            |              | nucleus,                                                                                                                                                              |                                                                                                                                                                                 |
| GB 6-c     | 7310    | ZRSR1  | binding motif and serine/arginine rich<br>1                 | 5q22            |              | ribonucleoprotein complex                                                                                                                                             | -                                                                                                                                                                               |
| GB 6-f     | 7775    | ZNF232 | zinc finger protein 232                                     | 17p13-p12       |              | intracellular,<br>nucleus                                                                                                                                             | -                                                                                                                                                                               |
| GB 4-2-2   | 10609   | HSPH1  |                                                             |                 |              | -                                                                                                                                                                     | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | cellular_component,<br>nucleus                                                                                                                                        |                                                                                                                                                                                 |
| 58-26      | 23469   | PHF3   | PHD finger protein 3                                        | 6q12            |              |                                                                                                                                                                       | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | intracellular,<br>nucleus                                                                                                                                             |                                                                                                                                                                                 |
| 58-25      | 51230   | PHF20  | PHD finger protein 20                                       | 20q11.22-q11.23 |              |                                                                                                                                                                       | -                                                                                                                                                                               |
|            |         |        |                                                             |                 |              | cytoplasm,<br>membrane,<br>nuclear membrane,<br>nuclear pore,<br>nucleoplasm,<br>nucleus                                                                              |                                                                                                                                                                                 |
| 58-21      | 7175    | TPR    | translocated promoter region (to<br>activated MET oncogene) | 1q25            |              |                                                                                                                                                                       | Thyroid cancer                                                                                                                                                                  |

|      |       |         |                                          |          |                           |   |
|------|-------|---------|------------------------------------------|----------|---------------------------|---|
| 58-4 | 23384 | SPECC1L | SPECC1-like                              | 22q11.23 | -                         | - |
| 58-2 | 2800  | GOLGA1  | golgi autoantigen, golgin subfamily a, 1 | 9q33.3   | Golgi apparatus, membrane | - |