

## GFAP

**Cat.No. 173 006; Polyclonal chicken antibody, 50 µg specific antibody (lyophilized)**

### Data Sheet

|                            |                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution/<br>Storage | 50 µg purified IgY, lyophilized. Ovalbumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. <b>Before storing at -20°C add 1 vol of glycerol.</b> |
| Applications               | <b>WB:</b> not recommended (see remarks)<br><b>IP:</b> not tested yet<br><b>ICC:</b> 1 : 500 up to 1 : 1000<br><b>IHC:</b> 1 : 500<br><b>IHC-P/FFPE:</b> 1 : 200 up to 1 : 500                                                                          |
| Immunogen                  | Recombinant protein corresponding to AA 1 to 432 from human GFAP (UniProt Id: P14136)                                                                                                                                                                   |
| Reactivity                 | Reacts with: human, rat, mouse.<br>Other species not tested yet.                                                                                                                                                                                        |
| Specificity                | Specific for GFAP.                                                                                                                                                                                                                                      |
| matching<br>control        | 173-OP                                                                                                                                                                                                                                                  |
| Remarks                    | <b>WB:</b> Cat. nos. 173 002, 173 004 or 173 011 are recommended.                                                                                                                                                                                       |

### TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

**Glial fibrillary acidic protein GFAP** is a glial-specific member of the intermediate filament protein family. This group comprises celltype-specific filamentous proteins with similar structure and function as scaffold for cytoskeleton assembly and maintenance. Frequently, neural stem cells also express GFAP. In addition many types of brain tumors, probably derived from astrocytic cells, heavily express GFAP. This protein is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and others. Point-mutations in the GFAP gene have been correlated to Alexander disease a fatal leukoencephalopathy that leads to the dysmyelination or demyelination of the central nervous system.

### Selected General References

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