

Rabbit anti-Glial Fibrillary Acidic Protein (GFAP) Polyclonal Antibody

Storage: 2-8°C

Catalog No: P7007	1ml	<input type="checkbox"/>
P7007S	0.2ml	<input type="checkbox"/>
P7007U	6ml	<input type="checkbox"/>

Intended Use and Background:

Rabbit anti GFAP antibody provides a qualitative determination of the GFAP from human origin by immunohistochemistry or immunocytochemistry. GFAP is an intermediate filament protein of 52 kD found in glial cells such as astrocytes and ependymal cells. In the peripheral nervous system, GFAP has been reported to be expressed in Schwann cells, enteric glial cells and satellite cells of human sensory ganglia. In neoplastic tissues, GFAP antibody is useful for the identification of astrocytomas and ependymomas.

Kit Components:

Rabbit anti-GFAP antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit
Isotype: Total immunoglobulin IgG
Immunogen: Purified human GFAP, 51KDa
Reacts with: Human, pig, rat, mouse, others not tested

Catalog No.	Format	Size
P7007	Concentrate	1 ml
P7007s	Concentrate	0.2ml
P7007U	Ready-to-use	6ml

Positive Control Tissue: Human brain or astrocytoma

Staining pattern: Cytoplasmic

Pretreatment required: Not required

Recommended Protocol:

Application tested: IHC (FFPE) or ICC. Working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:100-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.