

## Glial Fibrillary Acidic Protein (GFAP) (AB1440) mouse mAb

V0355

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Rat; Monkey; Bovin;

#### Applications

- Immunohistochemistry (IHC)

#### MW

- 49 kDa (calculated)
- 50 kDa (observed)

#### Isotype

- IgG1, kappa

### Recommended Dilution Ratios

#### Application

Immunohistochemistry (IHC)

#### Dilution

IHC, 1:200-1:400

### Storage

#### Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

**Clonality** Monoclonal

**Clone Number** AB1440

**Immunogen** A synthetic peptide corresponding to the amino acid region 300 - 432 of the human Glial Fibrillary Acidic Protein protein.

**Specificity** The antibody can specifically recognize human GFAP protein.

**Purification** Affinity purification Protein A

**Concentration** Product concentration may vary by batch. Please refer to the product COA for details.

### Target Information

**Gene name** GFAP

**Protein Name** Glial Fibrillary Acidic Protein

| Database Link | Organism | Swiss Prot. | Gene ID |
|---------------|----------|-------------|---------|
|               | Human    | P14136      | 2670    |

**Background** GFAP is an intermediate filament protein with a molecular weight of 51 kDa, which participates in the formation of cytoskeleton and maintains its tension strength. GFAP is mainly distributed in astrocytes and ependymal cells of the central nervous system, Schwann cells and satellite cells of intestinal ganglion of the peripheral nervous system, myoepithelial cells and chondroblasts. It is mainly used for the diagnosis and differential diagnosis of astrocytoma, including astrocytoma, astroblastoma, mixed glioma, pleomorphic glioblastoma and non astrocytoma, including a few gliomas, most ependymomas and other central nervous system tumors.