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EB07478 - Goat Anti-GFAP Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: GFAP, glial fibrillary acidic protein, FLJ45472, intermediate filament protein
Official Symbol: GFAP
Accession Number(s): NP_002046.1
Human GeneID(s): 2670
Non-Human GeneID(s): 14580 (mouse), 24387 (rat)
Important Comments: GFAP is thought to help to maintain astrocyte mechanical strength, as well as the shape of cells but its exact function remains poorly understood, despite the number of studies using it as a cell marker.

Immunogen

Peptide with sequence C-DGEVIKESKQEHKD, from the C Terminus of the protein sequence according to NP_002046.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 48kDa band observed in Human Cerebellum and in Mouse Brain lysates and approx.. 50kDa in Rat Brain lysates ,(calculated MW of 49.9kDa according to, Human NP_002046.1, Mouse NP_034407.2 and Rat NP_058705.2). Recommended concentration: 0.001-0.1µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Dog

EB07478 (0.001µg/ml) staining of Human Cerebellum (A), (0.1µg/ml) Mouse Brain (B) and (0.03µg/ml) Rat Brain (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.