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**Research Use Only. Not for
diagnostic or therapeutic use.**

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

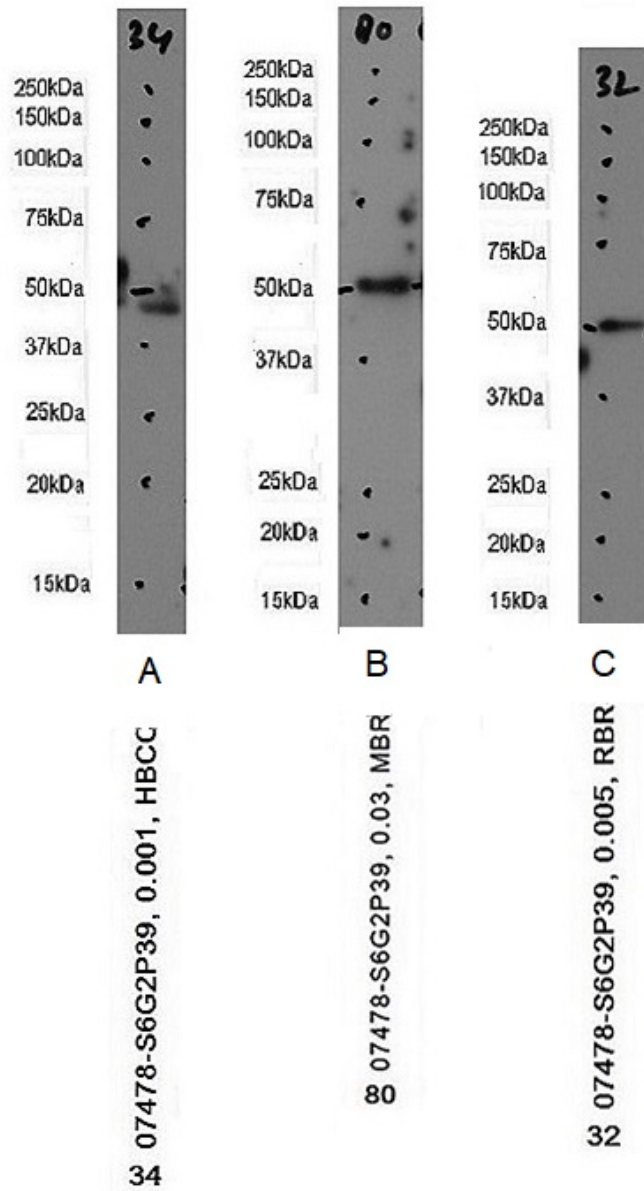
Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx. 48kDa band observed in Human Cerebral Cortex lysates, and approx. 50kDa in Mouse and 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: 0.001-0.03µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse, Rat

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



EB07478 optimised QC. Primary incubation 1 hour at room temperature.
 Image A: Human Cerebral Cortex lysate at primary Ab concentration 0.001µg/ml. Image B: Mouse Brain lysate at primary Ab concentration 0.03ug/ml. Image C: Rat Brain lysate at primary Ab concentration 0.005µg/ml. (Loaded 35µg protein in RIPA buffer, per lane).
 Detected by chemiluminescence.