



## UK Office

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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

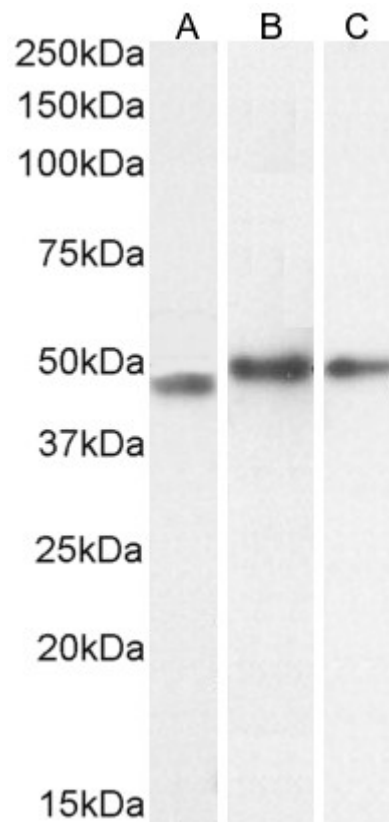
**Peptide ELISA:** antibody detection limit dilution 1:64000.

**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 (0.001 $\mu$ g/ml) staining of Human Cerebral Cortex (A), (0.03 $\mu$ g/ml) Mouse Brain (B) and (0.005 $\mu$ g/ml) Rat Brain (C) lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.