

Goat anti-GFAP Antibody

Item Number	dAP-0959
Target Molecule	Principle Name: GFAP; Official Symbol: GFAP; All Names and Symbols: GFAP; glial fibrillary acidic protein ; FLJ45472 ; intermediate filament protein ; Accession Number (s): NP_002046.1; Human Gene ID(s): 2670; Non-Human GeneID(s): 14580 (mouse) 24387 (rat)
Immunogen	DGEVIKESKQEHKD, is from C Terminus 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.
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 48-50kDa band observed in Human Cerebellum and 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: 0.003-0.1µg/ml. Primary incubatio
IHC	
Reference	Reference(s): Korolainen MA, Auriola S, Nyman TA, Alafuzoff I, Pirttila T. Proteomic analysis of glial fibrillary acidic protein in Alzheimer's disease and aging brain. Neurobiol Dis. 2005 Dec;20(3):858-70. Epub 2005 Jun 27. .PMID: 15979880 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**