GFAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GFAP, Polyclonal Antibody
Full Product Name	GFAP antibody
Product Gene Name	anti-GFAP antibody
Product Synonym Names	Polyclonal GFAP; Anti-GFAP; Glial Fibrillary Acid Protein; Glial marker; Glial Filament Protein
Clonality	Polyclonal
Host	Rabbit
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	49,365 Da
3D Structure	ModBase 3D Structure for P03995
Product Categories/Family for anti-GFAP antibody	Neuroscience; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-GFAP antibody	User optimized
Related Product Information for anti-GFAP antibody	MBS536403 is an antibody targeting GFAP. Also known as GFAP antibody. Host: Rabbit. Affinity purified Rabbit polyclonal GFAP antibody
Other Notes	Small volumes of anti-GFAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GFAP. It may not necessarily be applicable to this product.

NCBI GI #	84000448
NCBI GeneID	14580
NCBI Accession #	NP_034407
UniProt Primary Accession #	P03995
UniProt Secondary Accession #	Q09J71; Q3USS4; Q496R4; Q496S3; Q7TQ30; Q80VX6; Q925K2; Q925K3; A1E2H7; A2AH87; B2RTI7
UniProt Related Accession #	P03995
GenBank Nucleotide #	NM_010277.3
NCBI Official Full Name	glial fibrillary acidic protein isoform 2
NCBI Official Synonym Full Names	glial fibrillary acidic protein
NCBI Official Symbol	Gfap
NCBI Official Synonym Symbols	AI836096
UniProt Protein Name	Glial fibrillary acidic protein

Protein Family	Glial fibrillary acidic protein
UniProt Gene Name	Gfap
UniProt Synonym Gene Names	GFAP
UniProt Entry Name	GFAP_MOUSE
NCBI Protein Information	glial fibrillary acidic protein
UniProt Comments for GFAP	GFAP: a class-III intermediate filament protein. A cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. An additional transcript variant isoform has been described, but its full length sequence has not been determined. Protein type: Cytoskeletal Cellular Component: cell projection; membrane; cytoplasm; intermediate filament; myelin sheath Molecular Function: integrin binding; protein binding; structural constituent of cytoskeleton; structural molecule activity; kinase binding Biological Process: Bergmann glial cell differentiation; extracellular matrix organization and biogenesis; regulation of neurotransmitter uptake; response to wounding; intermediate filament organization; neurite regeneration; intermediate filament-based process; astrocyte development
Research Articles on GFAP	**1.** Data suggest that prenatal alterations in expression of various fetal brain proteins (including down-regulation of Gfap) are associated with aberrant behavioral characteristics of transgenic mice that model autism-like behavior.
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