



Rabbit Anti-Human GFAP Monoclonal Antibody, clone CQ7172 (CABT-Z230R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to GFAP residues within aa332-432 of GFAP was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7172
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	50 kDa
Cellular Localization	Cytoplasm
Positive Control	Astrocytoma
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	GFAP (Glial fibrillary acidic protein) is an intermediate filament protein. The protein is the smallest (8 nm) of the intermediate filament proteins with a molecular weight of about 50 kDa. In the central nervous system, GFAP is expressed in astrocytes and ependymal cells but not in other glial cells. However, immature oligodendrocytes and immature choroid plexus cells may be GFAP positive. In the peripheral nervous system enteric Schwann cells and satellite cells of human sensory ganglia express GFAP. Outside the nervous system, GFAP is seen in myoepithelial cells and chondroblasts. In tumor tissues, astrocytoma, ependymoma, glioblastoma, and oligodendrogloma are almost always positive. Plexus carcinoma, ganglioglioma and primitive neuroectodermal tumors (PNET: neuroblastoma a.o.) express GFAP to a varying extent. Schwannoma and neurofibroma frequently express GFAP. Chondroma, chondrosarcoma and pleomorphic adenoma are also GFAP positive in most cases. A few carcinomas (especially from lung and breast) may express GFAP in paraganglioma GFAP may be detected in sustentacular cells. GFAP is used to differentiate astrocytoma from non-glial cell tumors.
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Keywords	GFAP; glial fibrillary acidic protein
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GENE INFORMATION

Gene Name	GFAP
Entrez Gene ID	2670
UniProt ID	P14136