

GFAP Conjugated Antibody

Catalog No: #C32033

Package Size: #C32033-AF350 100ul #C32033-AF405 100ul #C32033-AF488 100ul #C32033-AF555 100ul #C32033-AF594 100ul
 #C32033-AF647 100ul #C32033-AF680 100ul #C32033-AF750 100ul #C32033-Biotin 100ul #C32033-Conjugated 50ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	GFAP Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB, IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GFAP protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GFAP .
Target Name	GFAP
Other Names	GFAP; FLJ45472;
Accession No.	Swiss-Prot:P14136NCBI Gene ID:2670
SDS-PAGE MW	50KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF: 1:50-1:200

Background

The cytoskeleton consists of three types of cytosolic fibers: microfilaments (actin filaments), intermediate filaments, and microtubules. Major types of intermediate filaments are specifically expressed in particular cell types: cytokeratins in epithelial cells, glial fibrillary acidic protein (GFAP) in glial cells, desmin in skeletal, visceral, and certain vascular smooth muscle cells, vimentin in cells of mesenchymal origin, and neurofilaments in neurons. GFAP and vimentin form intermediate filaments in astroglial cells and modulate their motility and shape (1). In particular, vimentin filaments are present at early developmental stages, while GFAP filaments are characteristic of differentiated and mature brain astrocytes. Thus, GFAP is commonly used as a marker for intracranial and intraspinal tumors arising from astrocytes (2). In addition, GFAP intermediate filaments are also present in non-myelin-forming Schwann cells in the peripheral nervous system (3).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.