

Datasheet for ABIN6656177

anti-GFAP R416WT antibody (AA 411-422) (FITC)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GFAP R416WT
Binding Specificity:	AA 411-422
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GFAP R416WT antibody is conjugated to FITC
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Anti-GFAP R416WT Antibody was produced in mice by repeated immunizations with a synthetic peptide corresponding to amino acids 411-422 (KTVEMRDGEVIK) of human GFAP. Immunogen Type: Peptide
Clone:	S206B-9
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Anti-GFAP R416WT Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with rat and mouse based on 100% homology with the immunizing sequence. No cross-reactivity with other GFAP mutant proteins can be expected.

Target Details

Target: GFAP R416WT

Abstract: [GFAP R416WT Products](#)

Background: Synonyms: Glial fibrillary acidic protein, Intermediate filament protein, Astrocyte, gfapl, DKFZp459C0729, MGC139638, FLJ45472, AI836096, GFAP antibody

Background: The 50 kDa type III intermediate filament protein glial fibrillary acidic protein (GFAP) is a major structural component of astrocytes. GFAP associates with the calcium binding protein annexin II-p2 and S-100. Association with these proteins together with phosphorylation regulates GFAP polymerization. Astrocytes respond to brain injury by proliferatin (astrogliosis), and one of the first events to occur during astrocyte proiliferation is increased GFAP expression. Interestingly, antibodies to GFAP have been detected in individuals with dementia. Anti-GFAP is ideal for investigators involved in Neuroscience Research, including Alexander Disease, Oligodendroglioma, Cytoskeleton Remolding Neurofilaments and PIP3/AKT Signaling.

Gene Name: GFAP

Gene ID: 2670

UniProt: [P14136](#)

Application Details

Application Notes: Immunohistochemistry Dilution: User Optimized

Application Note: Anti-GFAP R416WT FITC Conjugated Antibody is suitable for use in Western blot, Immunohistochemistry, Immunocytochemistry. Expect a band approximately ~50 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

ELISA Dilution: 1:10,000

Western Blot Dilution: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: 50 % (v/v) Glycerol

0.1 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.