ARG66801
anti-GFAP antibody [SQab20213]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab20213] recognizes GFAP
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab20213
Isotype	IgG
Target Name	GFAP
Species	Human
Immunogen	Synthetic peptide within aa. 332-432 of Human GFAP.
Conjugation	Un-conjugated
Alternate Names	Glial fibrillary acidic protein; ALXDRD; GFAP

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C - 25°C) for 30 minutes. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

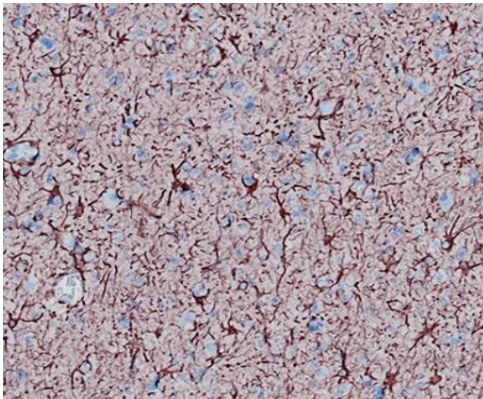|	
Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

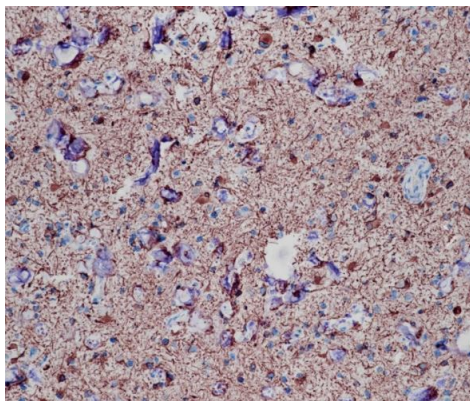|	
Gene Symbol	GFAP
Gene Full Name	glial fibrillary acidic protein
Background	This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]
Function	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. [UniProt]
Calculated Mw	50 kDa
PTM	Phosphorylated by PKN1. [UniProt]
Cellular Localization	Cytoplasm. Note=Associated with intermediate filaments. [UniProt]

Images

ARG66801 anti-GFAP antibody [SQab20213] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human astrocytoma tissue. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG66801 anti-GFAP antibody [SQab20213].

ARG66801 anti-GFAP antibody [SQab20213] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human brain tissue. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). The tissue section was stained with ARG66801 anti-GFAP antibody [SQab20213].

ARG66801 anti-GFAP antibody [SQab20213] WB image

Western blot: Mouse Brain stained with ARG66801 anti-GFAP antibody [SQab20213] at 1:1000 dilution.