

ARG47125 anti-KIF7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes KIF7
Tested Reactivity	Ms
Tested Application	ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	KIF7
Species	Human
Immunogen	Synthetic peptide of human KIF7.
Conjugation	Un-conjugated
Alternate Names	KIF7; Kinesin-like protein KIF7

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% 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 or below. 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	KIF7
Gene Full Name	kinesin family member 7
Background	This gene encodes a cilia-associated protein belonging to the kinesin family. This protein plays a role in the sonic hedgehog (SHH) signaling pathway through the regulation of GLI transcription factors. It functions as a negative regulator of the SHH pathway by preventing inappropriate activation of GLI2 in the absence of ligand, and as a positive regulator by preventing the processing of GLI3 into its repressor form. Mutations in this gene have been associated with various ciliopathies. [provided by RefSeq, Oct 2011]
Function	Essential for hedgehog signaling regulation: acts both as a negative and positive regulator of sonic hedgehog (Shh) and Indian hedgehog (Ihh) pathways, acting downstream of SMO, through both SUFU-dependent and -independent mechanisms. [UniProt]
Calculated Mw	151 kDa
PTM	Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cell projection; Cytoplasm; Cytoskeleton. [UniProt]