



Mouse anti-Human KIF7 monoclonal antibody, clone 4G9 (CABT-B9463)

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

PRODUCT INFORMATION

Immunogen	A synthetic peptide derived from human Kif 7
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Clone	4G9
Purification	Protein A
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Concentration	1 mg/ml
Size	100 µg
Buffer	Dulbecco's PBS, pH 7.4, with 150mM NaCl, 50% glycerol
Preservative	0.02% sodium azide
Storage	-20°C

BACKGROUND

Introduction

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]

Keywords

KIF7; kinesin family member 7; ACLS; HLS2; JBTS12; UNQ340; kinesin-like protein KIF7; EQYK340;

GENE INFORMATION

Entrez Gene ID

[374654](#)

UniProt ID

[Q2M1P5](#)