



# 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

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