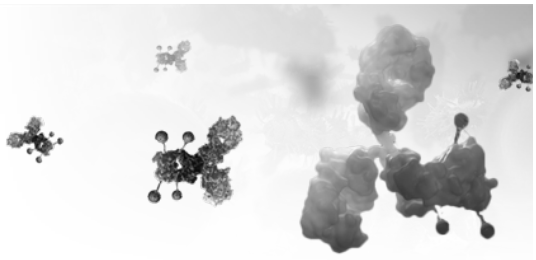

Mouse anti-Human DIAPH1 monoclonal antibody, clone 6B9 (CABT-B10093)

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

PRODUCT INFORMATION

Immunogen	DIAPH1 (NP_005210, 921 a.a. ~ 1025 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	6B9
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	QFSEQVENIKPEIVSVTAACEELRKSESFSNLLEITLLVGNYMNAGSRNAGAFGFNISFL CKLRDTKSTDQKMTLLHFLAELCENDYPDVLKFPDELAHVEKAS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss.

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	Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Keywords	DIAPH1; diaphanous-related formin 1; DIA1; DRF1; DFNA1; LFHL1; hDIA1; protein diaphanous homolog 1; diaphanous homolog 1; diaphanous-related formin-1;

GENE INFORMATION

Entrez Gene ID	1729
UniProt ID	Q17RN4
Pathway	Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; G13 Signaling Pathway, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem; RhoA signaling pathway, organism-specific biosystem
Function	Rho GTPase binding; actin binding; binding; receptor binding

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