10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DYNC1H1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20786c

Product Information

Application	WB, E
Primary Accession	Q14204
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50599
Calculated MW	532408

Additional Information

Gene ID	1778
Other Names	Cytoplasmic dynein 1 heavy chain 1, Cytoplasmic dynein heavy chain 1, Dynein heavy chain, cytosolic, DYNC1H1, DHC1, DNCH1, DNCL, DNECL, DYHC, KIAA0325
Target/Specificity	This DYNC1H1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 4224-4257 amino acids from the C-terminal region of human DYNC1H1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DYNC1H1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DYNC1H1 (HGNC:2961)
Function	Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. Plays a role in mitotic spindle assembly and metaphase plate

congression (PubMed:27462074).

Cellular Location Cytoplasm, cytoskeleton

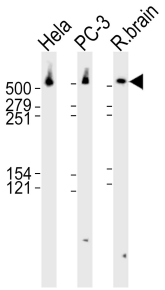
Background

Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP.

References

Nagase T.,et al.DNA Res. 4:141-150(1997).
Ohara O.,et al.Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
Yamakawa H.,et al.Submitted (JAN-2007) to the EMBL/GenBank/DDBJ databases.
Vaisberg E.A.,et al.J. Cell Biol. 133:831-842(1996).
Vaisberg E.A.,et al.J. Cell Biol. 123:849-858(1993).

Images



Western blot analysis of lysates from Hela, PC-3 cell line and rat brain tissue lysate(from left to right), using DYNC1H1 Antibody (C-term)(Cat. #AP20786c). AP20786c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.