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 # AP21385b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q14204
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
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 4202-4236 amino acids from the C-terminal region of human DYNC1H1.
Dilution	WB~~1:2000 IHC-P~~1:100~500 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

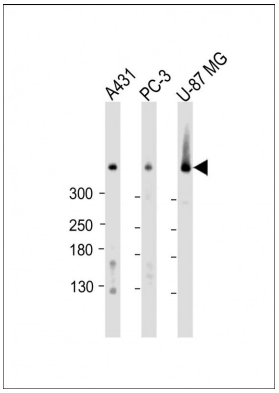
Background

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.

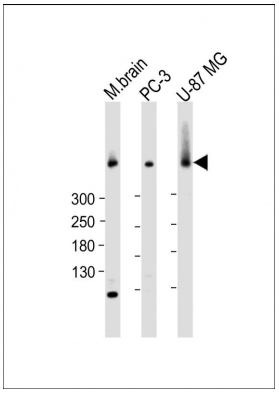
References

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

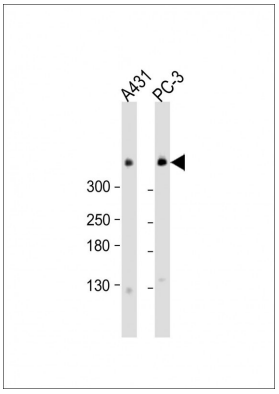


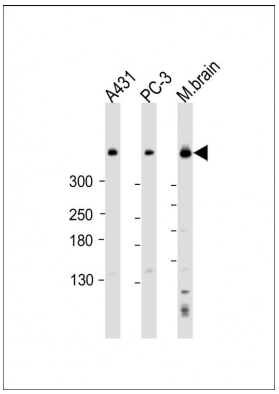
All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



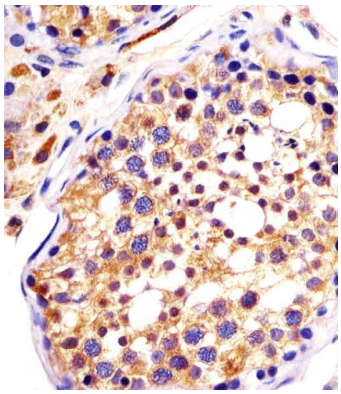
All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: mouse brain lysate Lane 2: PC-3 whole cell lysate Lane 3: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:1000-1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

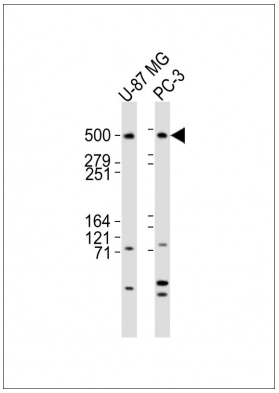




All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP21385b staining DYNC1H1 in human testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: U-87 MG whole cell lysates Lane 2: PC-3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.