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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
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

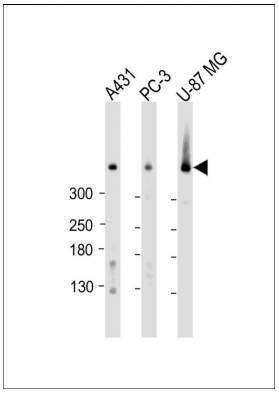
Background

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.

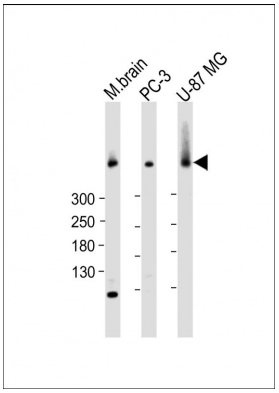
References

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

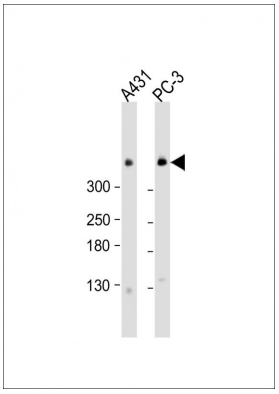


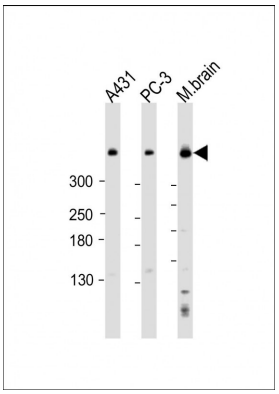
All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532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





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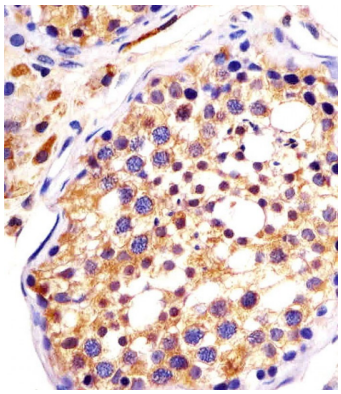
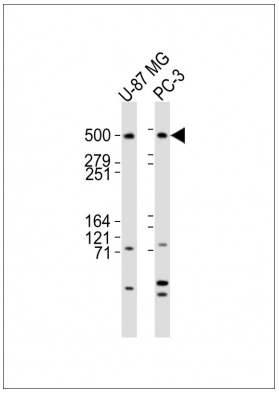


AP21385b staining DYNC1H1 in human testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples 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.



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