

Datasheet for ABIN2784529 anti-DYNLL1 antibody (N-Term)





Overview

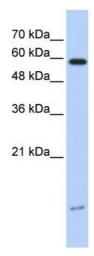
Overview	
Quantity:	100 μL
Target:	DYNLL1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYNLL1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DYNLL1
Sequence:	
•	MCDRKAVIKN ADMSEEMQQD SVECATQALE KYNIEKDIAA HIKKEFDKKY
Predicted Reactivity:	MCDRKAVIKN ADMSEEMQQD SVECATQALE KYNIEKDIAA HIKKEFDKKY Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit:
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% This is a rabbit polyclonal antibody against DYNLL1. It was validated on Western Blot using a
Predicted Reactivity: Characteristics:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% This is a rabbit polyclonal antibody against DYNLL1. It was validated on Western Blot using a cell lysate as a positive control.

larget Details		
Alternative Name:	DYNLL1 (DYNLL1 Products)	
Background:	Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD.	
	They contain two force-producing heads formed primarily from dynein heavy chains, and stalks	
	linking the heads to a basal domain, which contains a varying number of accessory	
	intermediate chains. The complex is involved in intracellular transport and motility. DYNLL1 is a	
	light chain and exists as part of this complex but also physically interacts with and inhibits the	
	activity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric	
	oxide synthase dimer, a conformation necessary for activity, and it may regulate numerous	
	biologic processes through its effects on nitric oxide synthase activity. Cytoplasmic dyneins are	
	large enzyme complexes with a molecular mass of about 1,200 kD. They contain two force-	
	producing heads formed primarily from dynein heavy chains, and stalks linking the heads to a	
	basal domain, which contains a varying number of accessory intermediate chains. The comple:	
	is involved in intracellular transport and motility. The protein described in this record is a light	
	chain and exists as part of this complex but also physically interacts with and inhibits the	
	activity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric	
	oxide synthase dimer, a conformation necessary for activity, and it may regulate numerous	
	biologic processes through its effects on nitric oxide synthase activity. Alternate transcriptional	
	splice variants have been characterized.	
	Alias Symbols: DLC1, DLC8, DNCL1, DNCLC1, LC8, LC8a, MGC126137, MGC126138, PIN, hdlc1	
	Protein Interaction Partner: UBC, DYNC1I1, CCDC36, IQUB, AMBRA1, AMOTL2, KANK2, BECN1,	
	BMI1, EED, GNB2L1, RPS21, RPS5, RPS3, RPS2, RPSA, HDLBP, FKBP3, FAU, DYNC1LI2, NRF1,	
	AMOT, DYRK1B, DYRK1A, TERT, STK24, PRKACB, PRKACA, GSK3B, STK26, STK25, CSNK1A1,	
	PAK1, UL122, IQCB1, BCL2L11, NA	
	Protein Size: 89	
Molecular Weight:	10 kDa	
Gene ID:	8655	
NCBI Accession:	NM_001037494, NP_001032583	
UniProt:	P63167	
Pathways:	M Phase, Tube Formation, Positive Regulation of Endopeptidase Activity	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 89 AA	

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be bandled by trained staff only
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DYNLL1 Antibody Titration:0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control:Transfected 293T