



# Anti-DYNLL1 (aa 36-85) polyclonal antibody (DPABH-18865)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in changing or maintaining the spatial distribution of cytoskeletal structures. Binds and inhibits the catalytic activity of neuronal nitric oxide synthase. Promotes transactivation functions of ESR1 and plays a role in the nuclear localization of ESR1. Regulates apoptotic activities of BCL2L11 by sequestering it to microtubules. Upon apoptotic stimuli the BCL2L11-DYNLL1 complex dissociates from cytoplasmic dynein and translocates to mitochondria and sequesters BCL2 thus neutralizing its antiapoptotic activity.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the internal sequence amino acids 36-85 (KDIAAHIKKEFDKKYNPTWHCIVGRNFGSYVTHETKHFIYFYLGQVAIL L) of Human DLC8 (NP_001032583).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	50 µg

<b>Buffer</b>	Constituents: 2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DYNLL1 dynein, light chain, LC8-type 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	DYNLL1
<b>Synonyms</b>	DYNLL1; dynein, light chain, LC8-type 1; DNCL1, dynein, cytoplasmic, light polypeptide 1; dynein light chain 1, cytoplasmic; DLC1; DLC8; hdlc1; LC8; PIN; 8 kDa dynein light chain; cytoplasmic dynein light polypeptide; dynein, cytoplasmic, light polypeptide 1; protein inhibitor of neuronal nitric oxide synthase; LC8a; DNCL1; DNCLC1; MGC126137; MGC126138;
<b>Entrez Gene ID</b>	<a href="#">8655</a>
<b>Protein Refseq</b>	<a href="#">NP_001032583</a>
<b>UniProt ID</b>	<a href="#">P63167</a>
<b>Chromosome Location</b>	12q24.23
<b>Pathway</b>	Activation of BH3-only proteins; Activation of BIM and translocation to mitochondria; Apoptosis; Cell Cycle; Cell Cycle, Mitotic; Centrosome maturation; G2/M Transition
<b>Function</b>	motor activity; protein binding;