Dynein light chain 1, cytoplasmic Polyclonal Antibody

Catalog No: #42236

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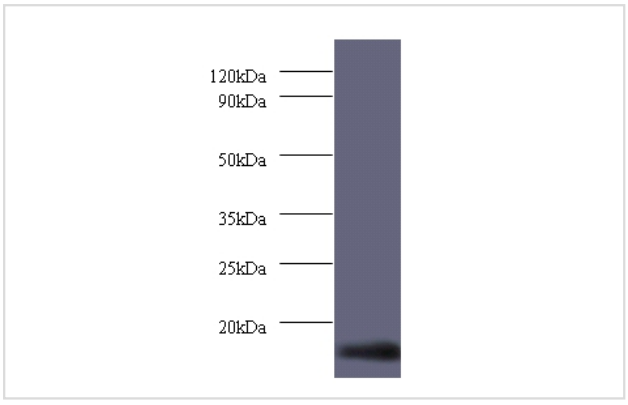
Description

Product Name	Dynein light chain 1, cytoplasmic Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Dynein light chain 1, cytoplasmic polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Dynein light chain 1, cytoplasmic protein
Target Name	Dynein light chain 1, cytoplasmic
Other Names	8 kDa dynein light chain??DLC8??Dynein light chain LC8-type 1??Protein inhibitor of neuronal nitric oxide synthase??PIN
Accession No.	Swiss-Prot#: P63167
Uniprot	P63167
GeneID	8655;
Calculated MW	9.8kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:1000

Images



All lanes : Dynein light chain 1, cytoplasmic antibody at 2ug/ml+ EC109 whole cell lysate at 20 ug

Secondary
Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 9.8 kDa
Observed band size : 9.8kDa

Background

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.

References

[1]"Cytoplasmic dynein (ddlc1) mutations cause morphogenetic defects and apoptotic cell death in Drosophila melanogaster." Dick T., Ray K., Salz H.K., Chia W. Mol. Cell. Biol. 16:1966-1977(1996) [2]"Cloning of human full open reading

Note: This product is for in vitro research use only