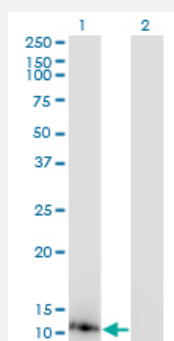


DYNLL1 monoclonal antibody (M02), clone 1H7

Catalog # H00008655-M02

Size 100 ug

Applications

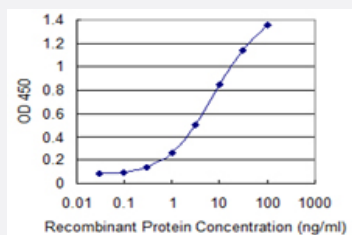


Western Blot (Transfected lysate)

Western Blot analysis of DYNLL1 expression in transfected 293T cell line by DYNLL1 monoclonal antibody (M02), clone 1H7.

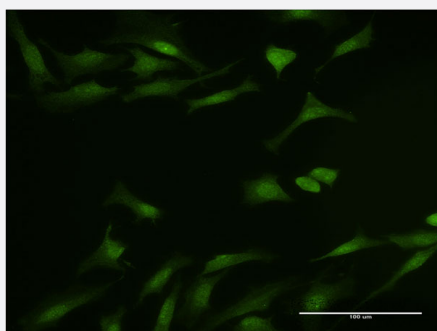
Lane 1: DYNLL1 transfected lysate (10.4 KDa).

Lane 2: Non-transfected lysate.



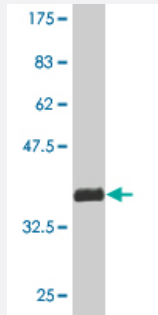
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DYNLL1 is 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to DYNLL1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (33.66 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DYNLL1.
Immunogen	DYNLL1 (NP_003737.1, 1 a.a. ~ 72 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MCDRKAVIKNADMSEEMQQDSVECATQALEKYNIEKDIAAHIKKEFDKKYNPTWHCIVGRNFGSYVTHETKH
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.66 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DYNLL1 expression in transfected 293T cell line by DYNLL1 monoclonal antibody (M02), clone 1H7.

Lane 1: DYNLL1 transfected lysate(10.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DYNLL1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to DYNLL1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — DYNLL1

Entrez GeneID [8655](#)

GeneBank Accession# [NM_003746](#)

Protein Accession# [NP_003737.1](#)

Gene Name DYNLL1

Gene Alias DLC1, DLC8, DNCL1, DNCLC1, LC8, LC8a, MGC126137, MGC126138, PIN, hdlc1

Gene Description dynein, light chain, LC8-type 1

Omim ID [601562](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. 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. [provided by RefSeq]

Other Designations 8 kDa dynein light chain|cytoplasmic dynein light polypeptide|dynein light chain 1|dynein, cytoplasmic, light polypeptide 1|protein inhibitor of neuronal nitric oxide synthase

Disease

- [Tobacco Use Disorder](#)