

Anti-DYNLL1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

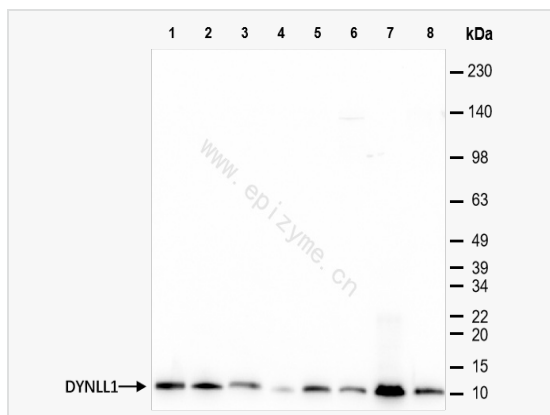
Catalog # R014258

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Mouse, Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	20J59M18
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human DYNLL1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-DYNLL1 Rabbit mAb [20J59M18] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	8 kDa dynein light chain, 8kDLC, Cytoplasmic dynein light polypeptide, DLC1, DLC8, DNCL1, DNCLC1, DYLI_HUMAN, Dynein, cytoplasmic, light chain 1, Dynein light chain 1 cytoplasmic, Dynein light chain 1, cytoplasmic, Dynein light chain LC8 type 1, Dynein light chain LC8-type 1, Dynein, cytoplasmic, light polypeptide 1, Dynein, light chain, LC8-type 1, DYNLL1, HDLC1, LC8, LC8a, MGC126137, MGC126138, MGC72986, PIN, Protein inhibitor of neuronal nitric oxide synthase, Protein inhibitor of neuronal NOS.
Calculated MW	Calculated MW: 10 kDa; Observed MW: 10 kDa
Uniprot ID	P63167
Gene ID	8655
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.
Cellular Location	Cytoplasm, cytoskeleton. Nucleus. Mitochondrion. Upon induction of apoptosis translocates together with BCL2L11 to mitochondria.
Tissue Location	Ubiquitous.



Western Blot - Anti-DYNLL1 Rabbit mAb [20J59M18]

All lanes: R014258 at 1:1,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 3: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 5: Rat heart whole tissue lysates

Lane 6: Rat muscle whole tissue lysates

Lane 7: Rat spleen whole tissue lysates

Lane 8: Mouse small intestine whole tissue lysates

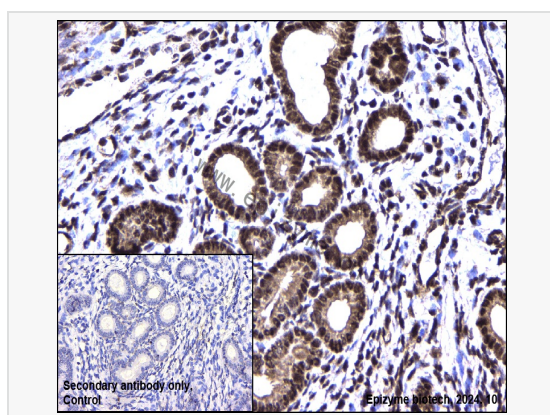
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 10 kDa

Observed band size: 10 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-DYNLL1 Rabbit mAb [20J59M18]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse ovary tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014258 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.