

Product datasheet for **TA349892S**

DYNLL1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Mouse brain tissue IHC: 25-100 Positive control: Human prostate cancer Predicted cell location: Nucleus or Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DYNLL1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	10 kDa
Gene Name:	dynein light chain LC8-type 1
Database Link:	NP_003737 Entrez Gene 56455 MouseEntrez Gene 58945 RatEntrez Gene 8655 Human P63167



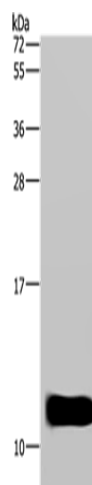
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Background:

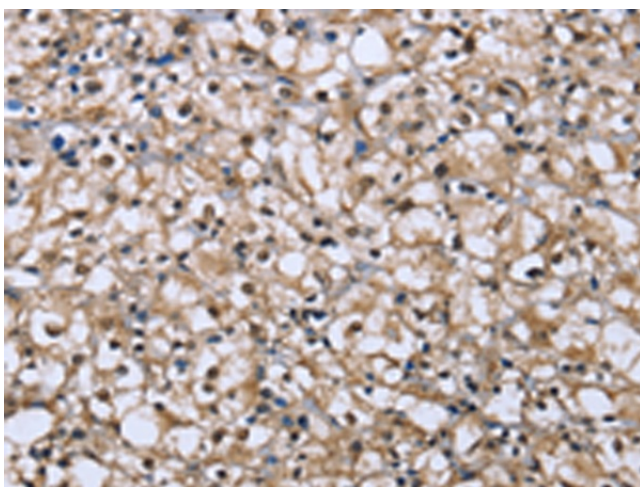
Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. They contain two force-producing heads formed primarily from dynein heavy chains, and stalks linking the heads to a basal domain, which contains a varying number of accessory intermediate chains. The complex is involved in intracellular transport and motility. 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.

Synonyms:

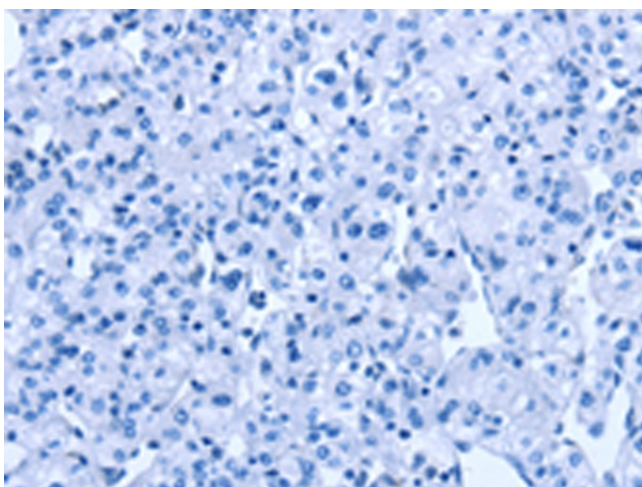
DLC1; DLC8; DNCL1; DNCLC1; hdlc1; LC8; LC8a; PIN

Product images:

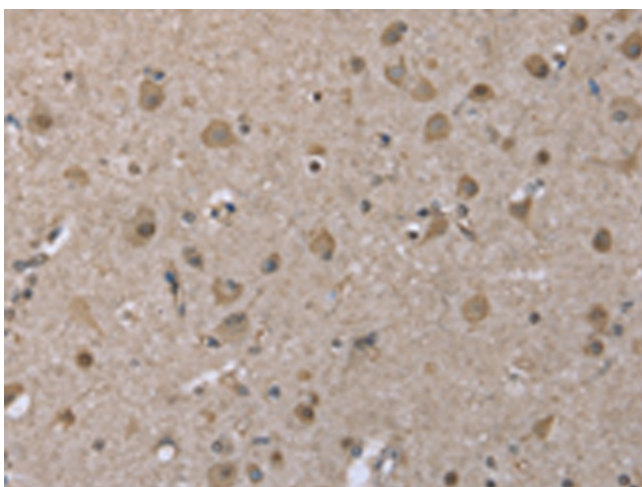
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Mouse brain tissue
Primary antibody: [TA349892] (DYNLL1 Antibody) at dilution 1/600
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 5 seconds



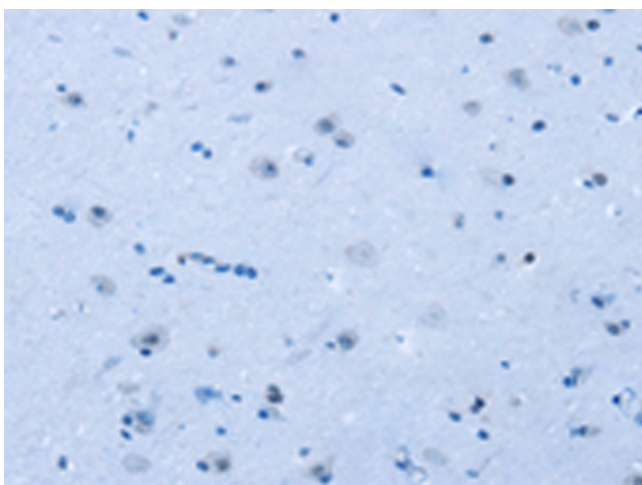
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA349892] (DYNLL1 Antibody) at dilution 1/25 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA349892] (DYNLL1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA349892] (DYNLL1 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA349892] (DYNLL1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)