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Datasheet for ABIN7266864 anti-DYNLL1 antibody

2 Images



Overview

| Quantity: | 100 µL |
|--------------|---|
| Target: | DYNLL1 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This DYNLL1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| Purpose: | DYNLL1 Rabbit mAb |
|-------------------|---|
| Immunogen: | A synthesized peptide derived from human DYNLL1 |
| Isotype: | lgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| Target: | DYNLL1 |
|-------------------|---|
| Alternative Name: | DYNLL1 (DYNLL1 Products) |
| Background: | Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. |

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| | 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, |
| | Jul 2008],DLC1, DLC8, DNCL1, DNCLC1, LC8, LC8a, PIN, hdlc1,Apoptosis,Apoptosis_Bcl 2 |
| | family,Apoptosis_Mitochondrial Control of |
| | Apoptosis,Autophagy,Autophagy_Regulator,Cancer,Cell Biology & Developmental |
| | Biology,Cytoskeleton,Cytoskeleton_Motor Proteins,DNA Damage & Repair,Endocrine & |
| | Metabolism,Epigenetics & Nuclear Signaling,Invasion and Metastasis,Neuroscience,Signal |
| | Transduction,Tumor suppressors,Tumor suppressors_p53 pathway,DYNLL1 |
| Molecular Weight: | 10kDa |
| Gene ID: | 8655 |
| UniProt: | P63167 |
| Pathways: | M Phase, Tube Formation, Positive Regulation of Endopeptidase Activity |

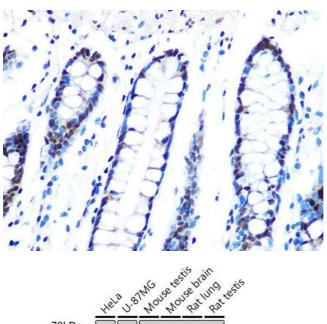
Application Details

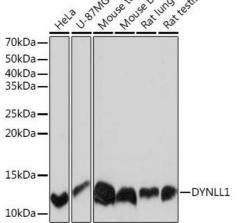
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:200 |
|--------------------|------------------------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

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Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon using DYNLL1 Rabbit mAb (ABIN7266864) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DYNLL1 Rabbit mAb (ABIN7266864) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

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