Datasheet for ABIN187402

anti-DYNLL1 antibody (Cytoplasmic)

Go to Product page

Overview

Quantity:	100 µg
Target:	DYNLL1
Binding Specificity:	Cytoplasmic
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This DYNLL1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant mouse DLC1 [LC8, PIN].
Clone:	10D6
Isotype:	IgM
Specificity:	Recognizes human and mouse DLC1. Does not cross-react with DLC2. Species Reactivity: Mouse and human. Others not tested.

Target Details

Target:	DYNLL1
Alternative Name:	DYNLL1 (DYNLL1 Products)
Background:	The 10 kDa dynein light chain 1 (DLC1, LC8), also known as neuronal nitric oxide synthase

Target Details

	inhibitory protein or PIN (protein inhibitor of nNOS), is a component of cytoplasmic dynein, which is involved in the minus end-directed movement of organelles along microtubules. It is a highly conserved protein that is associated with the microtubular dynein motor complex by its binding to dynein intermediate chain (DIC). This allows DLC1 to act as a cargo protein, hooking many different proteins to the dynein motor complex. Binding of the BH3-only protein, Bim, to DLC1 also controls its pro-apoptotic activity. In healthy cells, most Bim molecules are sequestered from Bcl-2 and its homologs by DLC1 mediated binding to the dynein motor complex. Certain apoptotic signals, such as cytokine withdrawal or deregulated calcium flux, induces the release of Bim and DLC1 from the dynein motor complex. This allows Bim and DLC1 to translocate and bind to Bcl-2 and its homologs, thus neutralizing their anti-apoptotic activity.
Pathways:	M Phase, Tube Formation, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Flow Cytometry. Western blot: use at least a 1:1,000 dilution. The optimal dilution for a specific application should be determined by the researcher.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL.
Buffer:	100 µg affinity purified antibody in PBS containing 0.02% sodium azide.
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:	4 °C