

TCTEX1D2 Antibody

Catalog # ASC11517

Product Information

Application	WB, IF, E
Primary Accession	Q8WW35
Other Accession	NP_689986 , 229090471
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	16122
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TCTEX1D2 antibody can be used for detection of TCTEX1D2 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL.

Additional Information

Gene ID	255758
Other Names	Tctex1 domain-containing protein 2, TCTEX1D2
Target/Specificity	TCTEX1D2; TCTEX1D2 is predicted to not cross-react with other members of the TCTEX-type family.
Reconstitution & Storage	TCTEX1D2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	TCTEX1D2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DYNLT2B (HGNC:28482)
Function	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 2 complex (dynein-2 complex), a motor protein complex that drives the movement of cargos along microtubules within cilia and flagella in concert with the intraflagellar transport (IFT) system. Required for proper retrograde ciliary transport.
Cellular Location	Dynein axonemal particle.

Background

TCTEX1D2 Antibody: Dyneins are multi-subunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. Cytoplasmic or axonemal Dynein is an approximately 12 subunit complex of two heavy chains, two intermediate chains to anchor Dynein to its cargo, four smaller intermediate chains and several light chains. It performs functions necessary for cell survival such as organelle transport and centrosome assembly. TCTEX1 is a cytoplasmic dynein light chain found in a complex with Na⁺ CP type X (SCN10A). TCTEX1D2, also called TCTEX1 domain containing 2, belongs to the dynein light chain TCTEX-type family. Its function is still under investigation.

References

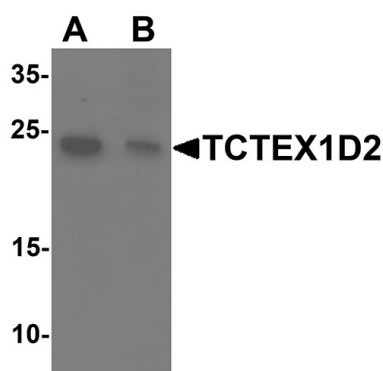
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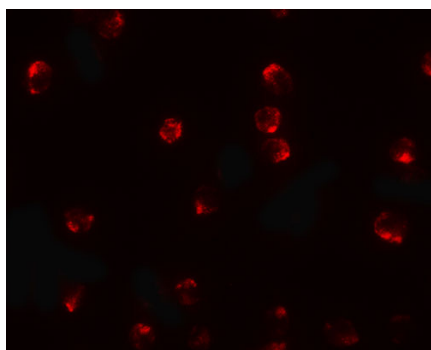
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Chuang JZ, Yeh TY, Bollati F, et al. The dynein light chain Tctex-1 has a dynein-independent role in actin remodeling during neurite outgrowth. *Dev. Cell* 2005; 9:75-86.

Images



Western blot analysis of TCTEX1D2 in K562 cell lysate with TCTEX1D2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of TCTEX1D2 in K562 cells with TCTEX1D2 antibody at 20 µg/mL.

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