

TCTEX1D1 Antibody

Catalog # ASC11516

Product Information

Application	WB, IF, E
Primary Accession	Q8N7M0
Other Accession	NP_689878 , 239735600
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	20730
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TCTEX1D1 antibody can be used for detection of TCTEX1D1 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL.

Additional Information

Gene ID	200132
Other Names	Tctex1 domain-containing protein 1, TCTEX1D1
Target/Specificity	TCTEX1D1; At least three isoforms are known to exist; this antibody will detect the two largest isoforms. TCTEX1D1 is predicted to not cross-react with other members of the TCTEX-type family.
Reconstitution & Storage	TCTEX1D1 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	TCTEX1D1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DYNLT5
Synonyms	TCTEX1D1

Background

TCTEX1D1 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). TCTEX1D1, also called TCTEX1 domain containing 1, belongs to the dynein light chain TCTEX-type family. Its function is still under investigation.

References

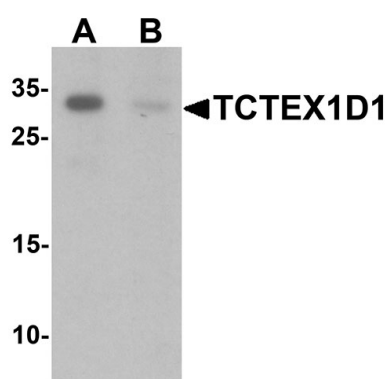
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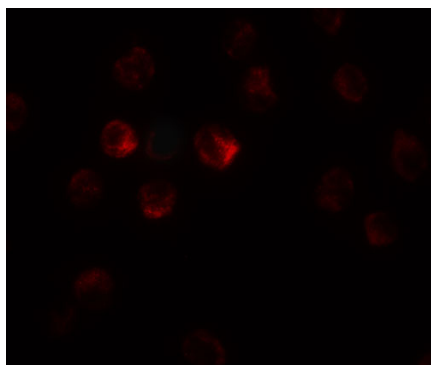
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Chuang JZ, Yeh TY, Bollati F, et al. The dynein light chain Tctex-1 has a dynein-independent role in actin remodeling during neurite outgrowth. *Dev. Cell* 2005; 9:75-86.

Images



Western blot analysis of TCTEX1D1 in K562 cell lysate with TCTEX1D1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of TCTEX1D1 in K562 cells with TCTEX1D1 antibody at 20 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.