10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TCTEX1D1 Antibody
Catalog # ASC11516

Specification

TCTEX1D1 Antibody - Product Information

Application	**WB, IF**
Primary Accession	Q8N7M0
Other Accession	NP_689878, 239735600
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**20 kDa KDa**
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.**

TCTEX1D1 Antibody - Additional Information

Gene ID **200132**

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℃ for three months and -20℃, 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.

TCTEX1D1 Antibody - Protein Information

Name DYNLT5

Synonyms TCTEX1D1

TCTEX1D1 Antibody - Protocols

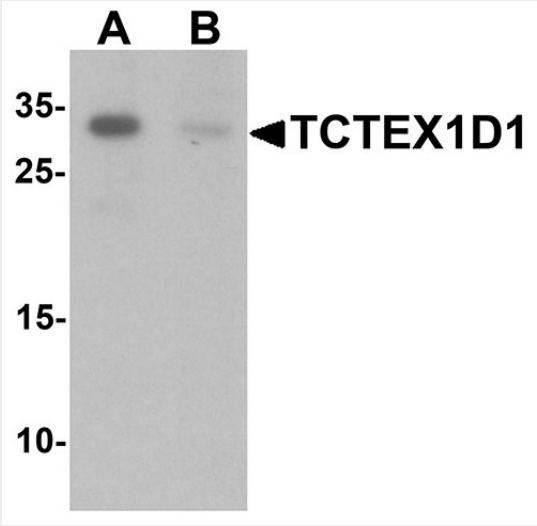
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

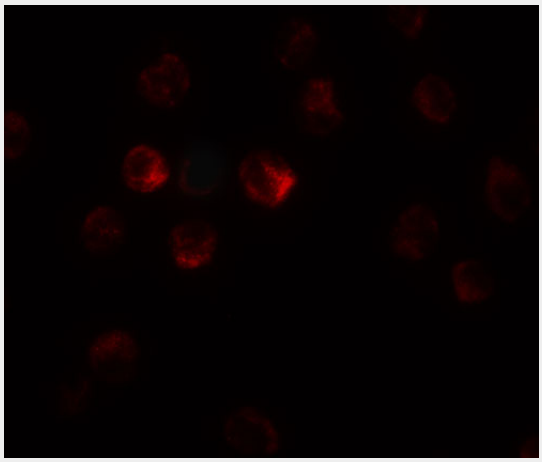
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TCTEX1D1 Antibody - 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.

TCTEX1D1 Antibody - 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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TCTEX1D1 Antibody - References

He Y, Francis F, Myers KA, et al. Role of cytoplasmic dynein in the axonal transport of microtubules and neurofilaments. J. Cell Biol. 2005; 168:697-703.
Li J, Lee WL, and Cooper JA. NudEL targets dynein to microtubule ends through LIS1. Nat. Cell Biol. 2005; 7:686-90.
Watanabe TK, Fujiwara T, Shimizu F, et al. Cloning, expression, and mapping of TCTEL1, a putative human homologue of murine Tcte1 to 6q. Cytogenet. Cell Genet. 1996; 73:153-6.
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.