

---

**Product Name: Dynein Light Chain Tctex Type 1 Rabbit Monoclonal antibody****Catalog #: AMRe03225**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.16mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 12 kDa; Observed MW: 12 kDa

**Antigen Information**

<b>Gene Name</b>	DYNLT1
<b>Alternative Names</b>	CW-1; TCTEL1; tctex-1
<b>Gene ID</b>	6993
<b>SwissProt ID</b>	P63172
<b>Immunogen</b>	Recombinant protein of human TCTEX-1

**Background**

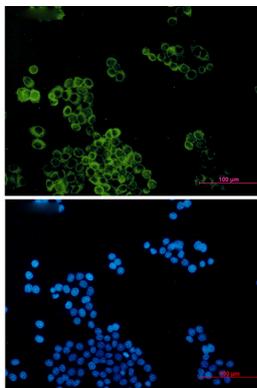
This gene encodes a component of the motor complex, cytoplasmic dynein, which transports cellular cargo along microtubules in the cell. The encoded protein regulates the length of primary cilia which are sensory organelles found on the surface of cells.

The protein encoded by this gene interacts with viral proteins, like the minor capsid protein L2 of human papillomavirus, and is required for dynein-mediated delivery of the viral nucleic acid to the host nucleus. This protein interacts with oncogenic nucleoporins to disrupt gene regulation and cause leukemic transformation. Pseudogenes of this gene are present on chromosomes 4 and 17. Alternative splicing results in multiple transcript variants encoding different isoforms.

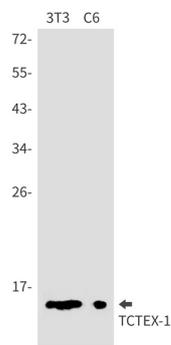
## Research Area

Microbiology

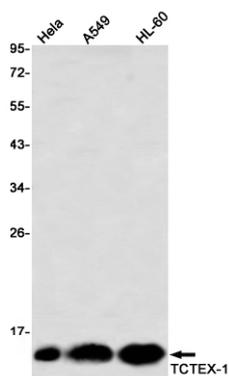
## Image Data



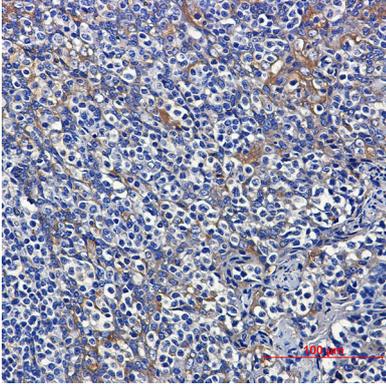
Immunocytochemistry analysis of Dynein Light Chain Tctex Type 1 (green) in HeLa using Dynein Light Chain Tctex Type 1 antibody, and DAPI (blue).



Western blot analysis of TCTEX1 in 3T3, C6 lysates using TCTEX1 antibody.



Western blot analysis of TCTEX1 in HeLa, A549, HL-60 lysates using TCTEX1 antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil using TCTEX1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.