

Product datasheet for **CF500510**

TRIB2 Mouse Monoclonal Antibody [Clone ID: OTI8D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8D11
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:50, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TRIB2 (NP_067675) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38.8 kDa
Gene Name:	tribbles pseudokinase 2
Database Link:	NP_067675 Entrez Gene 217410 Mouse Entrez Gene 313974 Rat Entrez Gene 28951 Human Q92519



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Background:

This gene encodes one of three members of the Tribbles family. The Tribbles members share a Trb domain, which is homologous to protein serine-threonine kinases, but lacks the active site lysine and probably lacks a catalytic function. The Tribbles proteins interact and modulate the activity of signal transduction pathways in a number of physiological and pathological processes. This Tribbles member induces apoptosis of cells mainly of the hematopoietic origin. It has been identified as a protein up-regulated by inflammatory stimuli in myeloid (THP-1) cells, and also as an oncogene that inactivates the transcription factor C/EBPalpha (CCAAT/enhancer-binding protein alpha) and causes acute myelogenous leukemia. Alternatively spliced transcript variants have been found for this gene.

Synonyms:

C5FW; GS3955; TRB2

Note:

WB application: Only overexpression results are guaranteed, not endogenous.

Protein Families:

Druggable Genome, Protein Kinase

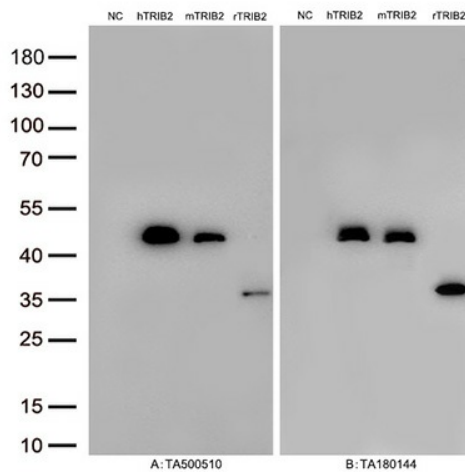
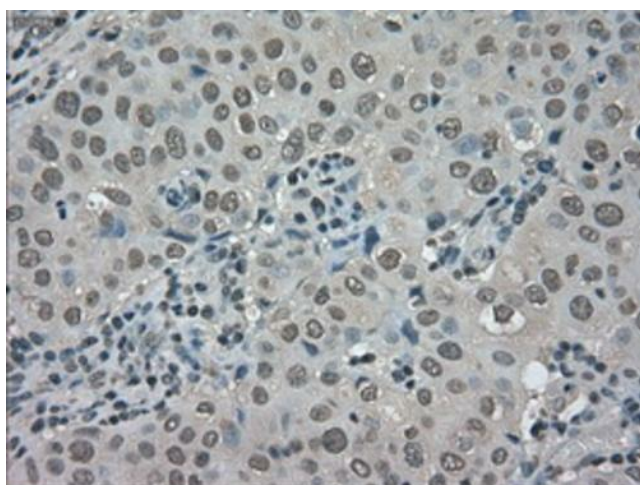
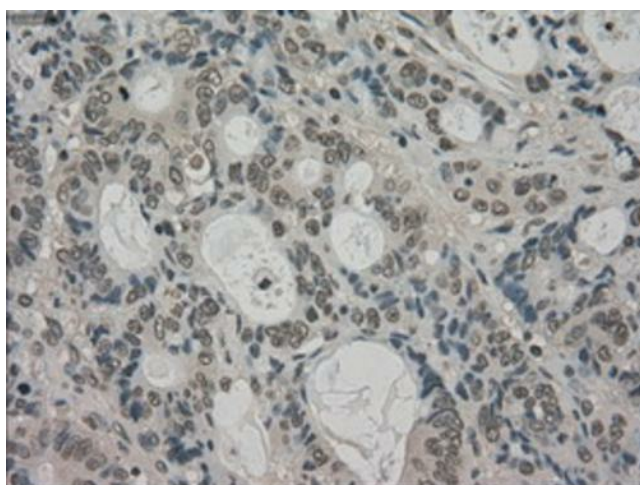
Product images:


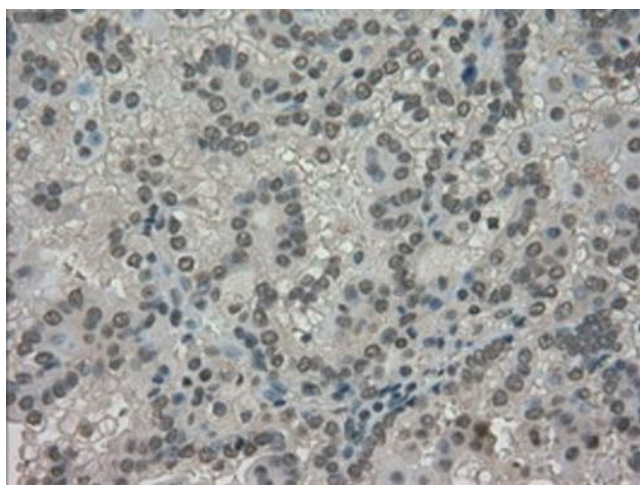
Figure A, Western blot analysis of overexpressed lysates(5ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC) , human ROR1 plasmid ([RC201210], hTRIB2),mouse TRIB2 plasmid ([MR205150], mTRIB2),rat TRIB2 plasmid ([RR209102], rTRIB2), using anti-TRIB2 antibody [TA500510] (1:20000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:20000@1mg/ml).



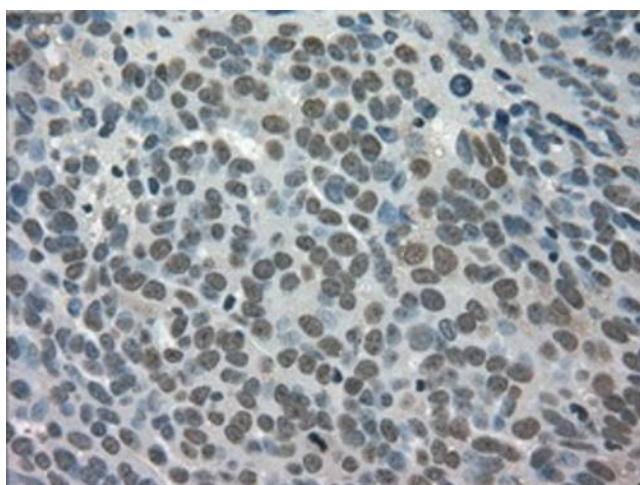
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



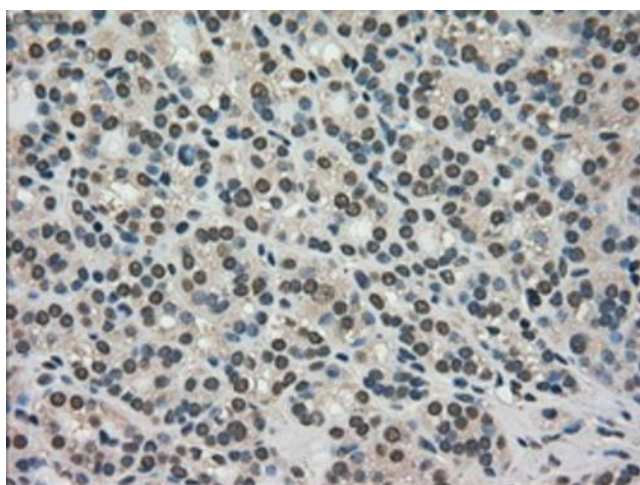
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



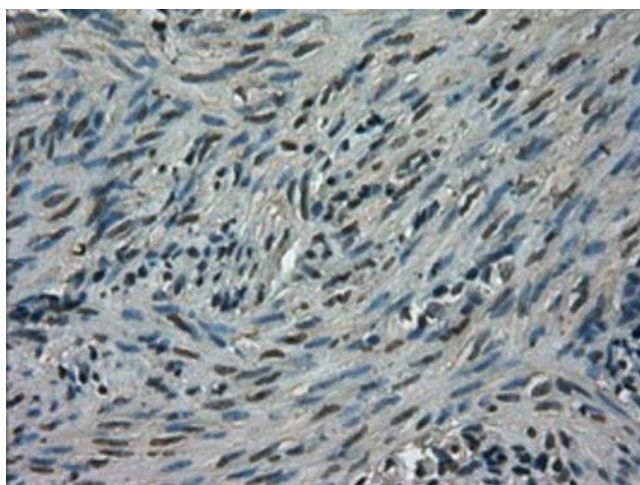
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



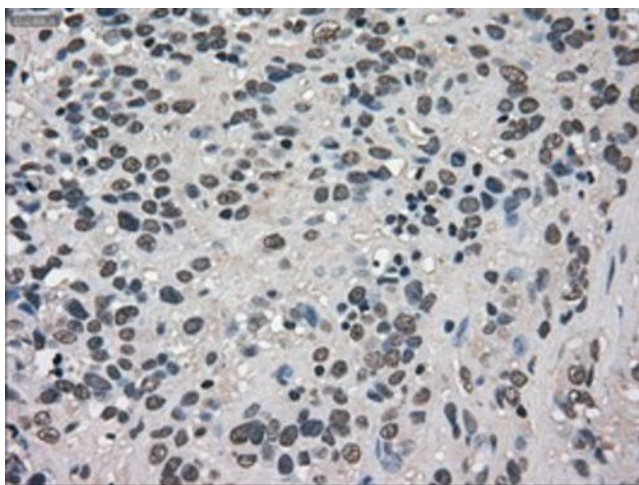
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



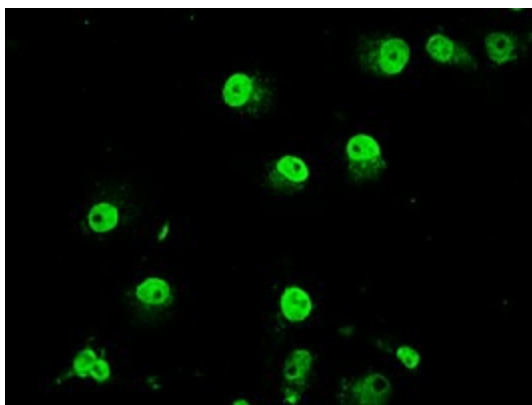
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



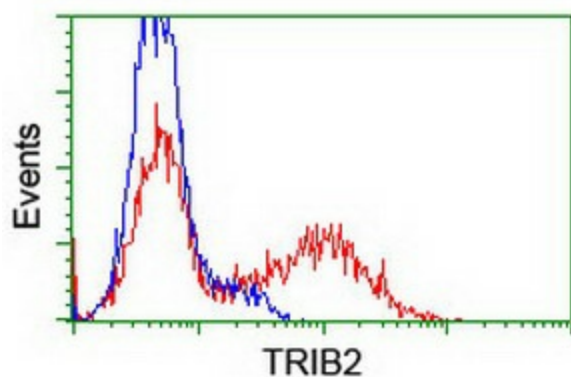
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-TRIB2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of COS7 cells using anti-TRIB2 mouse monoclonal antibody (TA500510).



HEK293T cells transfected with either [RC201210] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-TRIB2 antibody (TA500510), and then analyzed by flow cytometry.