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Anti-TRIB2 Picoband Antibody

Catalog # ABO12586

Product Information

Application	WB, IHC-P
Primary Accession	Q92519
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tribbles homolog 2(TRIB2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	28951
Other Names	Tribbles homolog 2, TRB-2, TRIB2 (HGNC:30809)
Calculated MW	38801
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Cytoplasm . Cytoplasm, cytoskeleton . May associate with the cytoskeleton. .
Tissue Specificity	Highly expressed in peripheral blood leukocytes. .
Source	Eukaryota
Protein Name	Tribbles homolog 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TRIB2 (175-211aa DLKLRKFIFKDEERTRVKLESLEDAYILRGDDDSLSD), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also

be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Protein Information

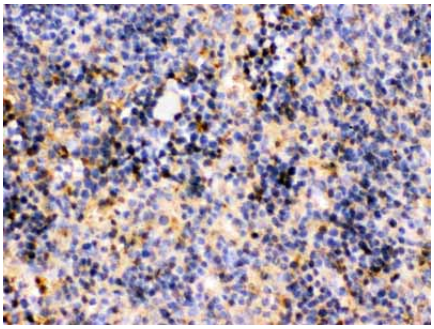
Name	TRIB2 (HGNC:30809)
Function	Interacts with MAPK kinases and regulates activation of MAP kinases. Does not display kinase activity (By similarity).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Note=May associate with the cytoskeleton.
Tissue Location	Highly expressed in peripheral blood leukocytes.

Background

Tribbles homolog 2 is a protein that in humans is encoded by the TRIB2 gene. 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/EBP alpha (CCAAT/enhancer-binding protein alpha) and causes acute myelogenous leukemia. Alternatively spliced transcript variants have been found for this gene.

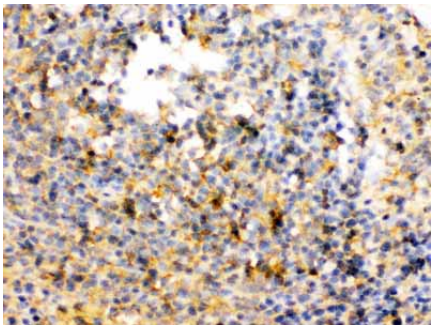
Images

Western blot analysis of TRIB2 expression in SW620 whole cell lysates (lane 1). TRIB2 at 39KD was detected using rabbit anti- TRIB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12586) at0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

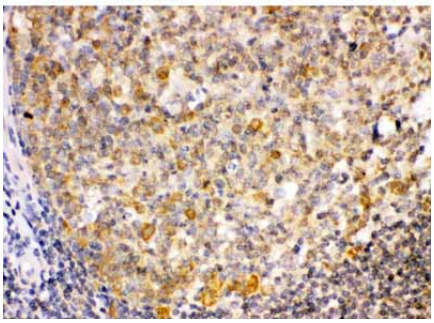


TRIB2 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti- TRIB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12586) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .

TRIB2 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- TRIB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12586) at 1



□¼g/mL. The immunohistochemical section was developed using SABC method .



TRIB2 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- TRIB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12586) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .