

TRIP6 Antibody

Catalog # ASC11215

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q15654
Other Accession	NP_003293 , 91208423
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	50288
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TRIP6 antibody can be used for detection of TRIP6 by Western blot at 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 1 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	7205
Other Names	Thyroid receptor-interacting protein 6, TR-interacting protein 6, TRIP-6, Opa-interacting protein 1, OIP-1, Zyxin-related protein 1, ZRP-1, TRIP6, OIP1
Target/Specificity	TRIP6;
Reconstitution & Storage	TRIP6 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	TRIP6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIP6
Synonyms	OIP1
Function	Relays signals from the cell surface to the nucleus to weaken adherens junction and promote actin cytoskeleton reorganization and cell invasiveness. Involved in lysophosphatidic acid-induced cell adhesion and migration. Acts as a transcriptional coactivator for NF- kappa-B and JUN, and mediates the transrepression of these transcription factors induced by glucocorticoid receptor.

Cellular Location	Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Nucleus. Cytoplasm Note=Shuttles between nucleus and cytoplasm (PubMed:16624523) Colocalizes with actin (PubMed:10826496).
Tissue Location	Abundantly expressed in kidney, liver and lung. Lower levels in heart, placenta and pancreas. Expressed in colonic epithelial cells. Up-regulated in colonic tumors

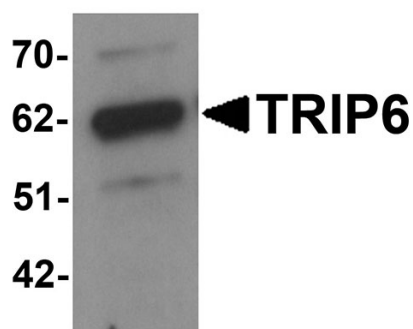
Background

TRIP6 Antibody: TRIP6 (Thyroid receptor interacting protein 6) is a zyxin-related focal adhesion molecule involved in cell motility and antiapoptotic responses. TRIP6 is predominantly expressed in kidney, liver and lung. It has three LIM domains, a PDZ-binding motif, a Crk SH2-binding motif and/or other protein interacting domains. TRIP6 regulates NF- κ B activation and interacts with RICK and TRAF2, proteins that are involved in TNF signaling. TRIP6 antagonizes Fas-induced apoptosis and promotes Fas-mediated cell migration in apoptosis-resistant glioma cells via Src-dependent phosphorylation of TRIP6 at Tyr-55.

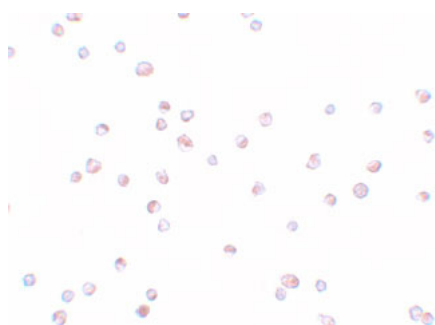
References

- Murthy KK, Clark K, Fortin Y, et al. ZRP-1, a zyxin-related protein, interacts with the second PDZ domain of the cytosolic protein tyrosine phosphatase hPTP1E. *J. Biol. Chem.*1999; 274:20679-87.
- Kassel O, Schneider S, Heilbock C, et al. A nuclear isoform of the focal adhesion LIM-domain protein Trip6 integrates activating and repressing signals at AP-1- and NF-kappaB regulated promoters. *Genes Dev.*2004; 18:2518-2528.
- Lai YJ, Chen CS, Lin WJ, et al. c-Src-mediated phosphorylation of TRIP6 regulates its function in lysophosphatidic acid-induced cell migration. *Mol. Cell. Biol.*2005; 25:5859-5868.
- Li L, Bin LH, Li F, et al. TRIP6 is a RIP2-associated common signaling component of multiple NF-kB activation pathways. *J. Cell. Sci.*2005; 118:555-563.

Images

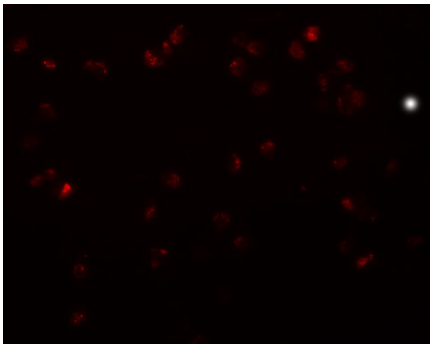


Western blot analysis of TRIP6 in EL4 cell lysate with TRIP6 antibody at 1 μ g/mL.



Immunocytochemistry of TRIP6 in HeLa cells with TRIP6 antibody at μ g/mL.

Immunofluorescence of TRIP6 in HeLa cells with TRIP6 antibody at 20 μ g/mL.



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