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TRIP6 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1771a

Product Information

Application	WB, FC, E
Primary Accession	Q15654
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6H4
Isotype	IgG1
Calculated MW	50288
Description	This gene is a member of the zyxin family and encodes a protein with three LIM zinc-binding domains. This protein localizes to focal adhesion sites and along actin stress fibers. Recruitment of this protein to the plasma membrane occurs in a lysophosphatidic acid (LPA)-dependent manner and it regulates LPA-induced cell migration. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.
Immunogen	Purified recombinant fragment of human TRIP6 (AA: 107-291) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
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

References

1.Biol Cell. 2011 Dec 1;103(12):573-91. 2.Mol Cell Biol. 2010 Dec;30(23):5582-96.

Images

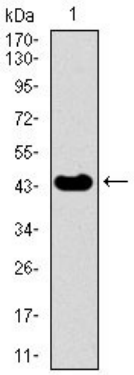


Figure 1: Western blot analysis using TRIP6 mAb against human TRIP6 recombinant protein. (Expected MW is 44.4 kDa)

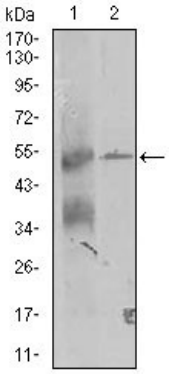


Figure 2: Western blot analysis using TRIP6 mouse mAb against K562 and A431 (2) cell lysate.

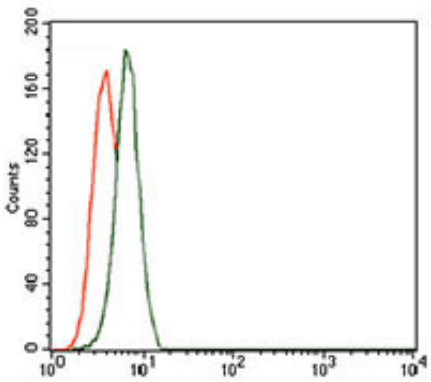


Figure 3: Flow cytometric analysis of K562 cells using TRIP6 mouse mAb (green) and negative control (red).

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