10320 Camino Santa Fe, Suite G
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TRIP6 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1771a

Specification

TRIP6 Antibody - Product Information

Application	**E, WB, FC**
Primary Accession	Q15654
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**50.3kDa KDa**

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

TRIP6 Antibody - 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
E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

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.

TRIP6 Antibody - Protein Information

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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.

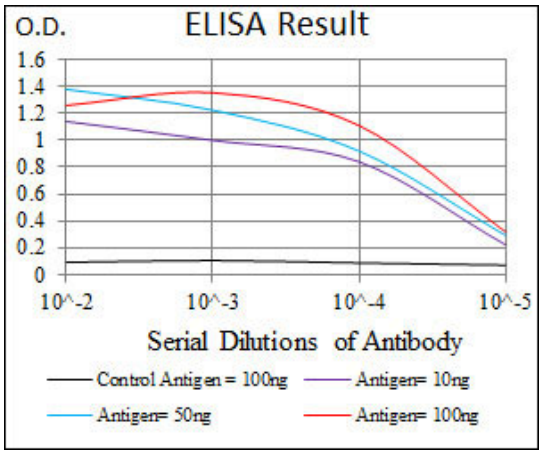
Cellular Location
Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Nucleus. Cytoplasm Note=Shuttles between nucleus and cytoplasm (PubMed:16624523) Colocalizes with actin (PubMed:10826496).

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

TRIP6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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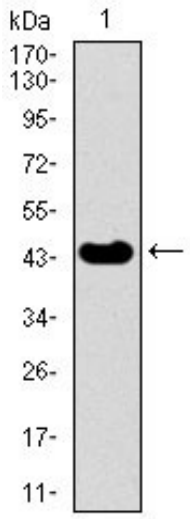


Figure 1: Western blot analysis using TRIP6 mAb against human TRIP6 recombinant protein. (Expected MW is 44.4 kDa)

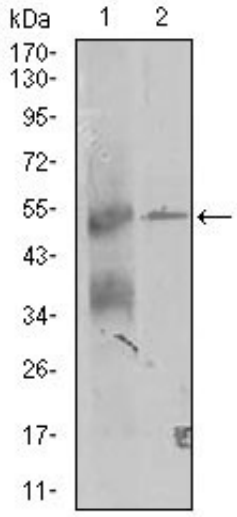


Figure 2: Western blot analysis using TRIP6 mouse mAb against K562 and A431 (2) cell lysate.

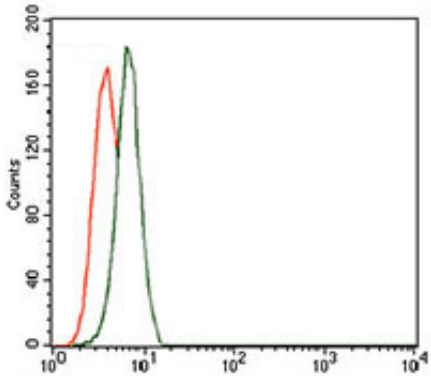


Figure 3: Flow cytometric analysis of K562 cells using TRIP6 mouse mAb (green) and negative control (red).

TRIP6 Antibody - References

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

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