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TRIOBP Rabbit pAb

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Catalog # AP56581

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H2D6
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	261376
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TRIOBP
Epitope Specificity	2251-2365/2365
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Cytoplasm; cytoskeleton. Note: Localized to F-actin in a periodic pattern.
DISEASE	Deafness, autosomal recessive, 28 (DFNB28) [MIM:609823]: A form of non-syndromic sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein with an N-terminal pleckstrin homology domain and a C-terminal coiled-coil region. The protein interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility and cell growth. The protein also associates with F-actin and stabilizes F-actin structures. Mutations in this gene have been associated with a form of autosomal recessive nonsyndromic deafness. Multiple alternatively spliced transcript variants that would encode different isoforms have been found for this gene, however some transcripts may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Nov 2008]

Additional Information

Gene ID	11078
Other Names	TRIO and F-actin-binding protein, Protein Tara, TRF1-associated protein of 68 kDa, Trio-associated repeat on actin, TRIOBP, KIAA1662, TARA {ECO:0000303|PubMed:11148140}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

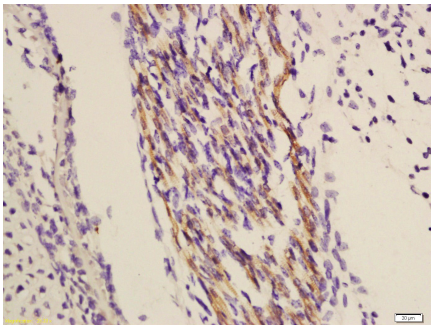
Protein Information

Name	TRIOBP
Synonyms	KIAA1662, TARA {ECO:0000303|PubMed:11148
Function	[Isoform 1]: Regulates actin cytoskeletal organization, cell spreading and cell contraction by directly binding and stabilizing filamentous F-actin and prevents its depolymerization (PubMed:18194665, PubMed:28438837). May also serve as a linker protein to recruit proteins required for F-actin formation and turnover (PubMed:18194665). Essential for correct mitotic progression (PubMed:22820163, PubMed:24692559).
Cellular Location	Nucleus.
Tissue Location	[Isoform 1]: Widely expressed. Highly expressed in heart and placenta.

Background

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Images



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-TRIOBP Polyclonal Antibody, Unconjugated(AP56581) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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