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Testin Rabbit pAb

Catalog # AP96760

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UGI8
Other Accession	Q9UGI8
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47996
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Testin
Epitope Specificity	161-210/421
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the prickle / espinas / testin family.Contains 3 LIM zinc-binding domains.Contains 1 PET domain.
SUBUNIT	Interacts via LIM domain 1 with ZYX. Interacts (via LIMdomain 3) with ENAH and VASP. Interacts with talin, actin,alpha-actinin, GRIP1 and PXN. Interacts (via LIM domain 2) withACTL7A (via N-terminus). Heterodimer with ACTL7A; the heterodimerinteracts with ENAH to form a heterotrimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Cancer-associated chromosomal changes often involveregions containing fragile sites. This gene maps to a commomfragile site on chromosome 7q31.2 designated FRA7G. This gene issimilar to mouse Testin, a testosterone-responsive gene encoding aSertoli cell secretory protein containing three LIM domains. LIMdomains are double zinc-finger motifs that mediate protein-proteininteractions between transcription factors, cytoskeletal proteinsand signaling proteins. This protein is a negative regulator ofcell growth and may act as a tumor suppressor. This scaffoldprotein may also play a role in cell adhesion, cell spreading andin the reorganization of the actin cytoskeleton. Multiple proteinisoforms are encoded by transcript variants of this gene.

Additional Information

Gene ID	26136
Other Names	TESS; TESS-2; D6Ertd352e; Tes1; Tes2; testin2; TES_BOVIN; TES; TES_HORSE; TES_HUMAN; TES_MOUSE; TES1/TES2; TES_PIG; TES_RAT; testin LIM domain protein; testis derived transcript (3 LIM domains)
Dilution	WB=1:500-2000,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	TES
Function	Scaffold protein that may play a role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. Plays a role in the regulation of cell proliferation. May act as a tumor suppressor. Inhibits tumor cell growth.
Cellular Location	Cytoplasm. Cell junction, focal adhesion. Note=Detected along actin stress fibers
Tissue Location	Ubiquitous..

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