10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TNS4 Recombinant Rabbit mAb

Catalog # AP99131

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IZW8
Other Accession	Q8IZW8
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	76764
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TNS4
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 phosphatase tensin-type domain. Contains 1 SH2 domain.
Post-translational modifications	Proteolytically cleaved by caspase-3 during apoptosis.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Predicted to enable actin binding activity. Involved in protein localization. Located in focal adhesion. [provided by Alliance of Genome Resources, Nov 2021]

Additional Information

Gene ID	84951
Other Names	CTEN; PP14434; 9930017A07Rik; TENS4_HUMAN; TNS4; C-terminal tensin-like protein; TENS4_MOUSE; tensin 4; C terminal tensin like
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,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	TNS4
Synonyms	CTEN

Function	Promotes EGF-induced cell migration by displacing tensin TNS3 from the cytoplasmic tail of integrin ITGB1 which results in dissociation of TNS3 from focal adhesions, disassembly of actin stress fibers and initiation of cell migration (PubMed:17643115). Suppresses ligand-induced degradation of EGFR by reducing EGFR ubiquitination in the presence of EGF (PubMed:23774213). Increases MET protein stability by inhibiting MET endocytosis and subsequent lysosomal degradation which leads to increased cell survival, proliferation and migration (PubMed:24814316).
Cellular Location	Cell junction, focal adhesion. Cytoplasm, cytoskeleton
Tissue Location	Expressed at low levels in colon (at protein level) (PubMed:19214987, PubMed:19487278). Expressed in prostate and placenta (PubMed:12154022).

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