

CTEN Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18466a**Specification**

CTEN Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8IZW8](#)**CTEN Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 84951**Other Names**

Tensin-4, C-terminal tensin-like protein, TNS4, CTEN

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTEN Antibody (N-term) Blocking Peptide - 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).

CTEN Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CTEN Antibody (N-term) Blocking Peptide - Images

CTEN Antibody (N-term) Blocking Peptide - Background

TNS4 may be involved in cell migration, cartilage development and in linking signal transduction pathways to the cytoskeleton (By similarity). May promote apoptosis, via its cleavage by caspase-3.

CTEN Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Li, Y., et al. Prostate 70(1):48-60(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liao, Y.C., et al. Cancer Res. 69(11):4563-4566(2009) Martuszelwska, D., et al. PLoS ONE 4 (2), E4350 (2009) :