

RNF128 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP19347c**Specification**

RNF128 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8TEB7](#)**RNF128 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79589**Other Names**

E3 ubiquitin-protein ligase RNF128, 632-, Gene related to anergy in lymphocytes protein, GRAIL, RING finger protein 128, RNF128

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.

RNF128 Antibody (Center) Blocking Peptide - Protein Information**Name** RNF128**Function**

E3 ubiquitin-protein ligase that catalyzes 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains formation. Functions as an inhibitor of cytokine gene transcription. Inhibits IL2 and IL4 transcription, thereby playing an important role in the induction of the anergic phenotype, a long-term stable state of T-lymphocyte unresponsiveness to antigenic stimulation associated with the blockade of interleukin production. Ubiquitinates ARPC5 with 'Lys-48' linkages and COR1A with 'Lys-63' linkages leading to their degradation, down- regulation of these cytoskeletal components results in impaired lamellipodium formation and reduced accumulation of F-actin at the immunological synapse. Functions in the patterning of the dorsal ectoderm; sensitizes ectoderm to respond to neural-inducing signals.

Cellular Location

Endomembrane system; Single-pass membrane protein. Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Note=Localized in an asymmetric perinuclear punctate manner. Localizes to the internal pool of the transferrin recycling endosomal pathway. Partially colocalized with the endoplasmic reticulum resident HSPA5, with Golgi resident STX5, and with the late endosomal GTPase RAB7A (By similarity).

RNF128 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF128 Antibody (Center) Blocking Peptide - Images

RNF128 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a type I transmembraneprotein that localizes to the endocytic pathway. This protein contains a RING zinc-finger motif and has been shown to possess E3ubiquitin ligase activity. Expression of this gene in retrovirallytransduced T cell hybridoma significantly inhibitsactivation-induced IL2 and IL4 cytokine production. Inducedexpression of this gene was observed in anergic CD4(+) T cells,which suggested a role in the induction of anergic phenotype.Alternatively spliced transcript variants encoding distinctisoforms have been reported.

RNF128 Antibody (Center) Blocking Peptide - References

Su, L.L., et al. J. Immunol. 183(1):438-444(2009)Lin, J.T., et al. J. Immunol. 182(10):5919-5928(2009)Lineberry, N., et al. J. Biol. Chem. 283(42):28497-28505(2008)Egawa, S., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 295 (1), G163-G169 (2008) :Kostianovsky, A.M., et al. J. Immunol. 178(10):6158-6163(2007)