

RNF128 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19347c**Specification**

RNF128 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8TEB7
Other Accession	Q29RU0 , NP_078815.3
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46521
Antigen Region	115-143

RNF128 Antibody (Center) - Additional Information**Gene ID** 79589**Other Names**

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

Target/Specificity

This RNF128 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-143 amino acids from the Central region of human RNF128.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF128 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF128 Antibody (Center) - 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

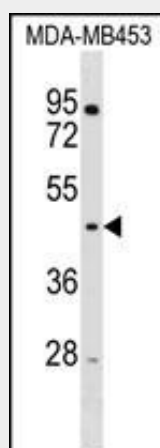
Endomembrane system; Single-pass membrane protein. Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Note=Localized in an asymmetric perinuclear punctate manner. Localizes to the internal pool of the transferrin recycling endosomal pathway. Partially colocalized with the endoplasmic reticulum resident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

RNF128 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF128 Antibody (Center) - Images



RNF128 Antibody (Center)(Cat. #AP19347c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the RNF128 antibody detected the RNF128 protein (arrow).

RNF128 Antibody (Center) - Background

The protein encoded by this gene is a type I transmembrane protein that localizes to the endocytic pathway. This protein contains a RING zinc-finger motif and has been shown to possess E3

ubiquitin ligase activity. Expression of this gene in retrovirally transduced T cell hybridoma significantly inhibits activation-induced IL2 and IL4 cytokine production. Induced expression 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 distinct isoforms have been reported.

RNF128 Antibody (Center) - 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)
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