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RNF125 Antibody (aa131-180)
Rabbit Polyclonal Antibody
Catalog # ALS16976

Specification

RNF125 Antibody (aa131-180) - Product Information

Application	**IHC, WB**
Primary Accession	Q96EQ8
Other Accession	54941
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**26454**

RNF125 Antibody (aa131-180) - Additional Information

Gene ID 54941

Other Names
RNF125, RING finger protein 125, TRAC-1, TRAC1

Target/Specificity
RNF125 Antibody detects endogenous levels of total RNF125 protein.

Reconstitution & Storage
PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions
RNF125 Antibody (aa131-180) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF125 Antibody (aa131-180) - Protein Information

Name RNF125 (HGNC:21150)

Function
E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins, such as RIGI, MAVS/IPS1, IFIH1/MDA5, JAK1 and p53/TP53 (PubMed:15843525, PubMed:17460044, PubMed:17643463, PubMed:26027934, PubMed:26471729, PubMed:25591766, PubMed:27411375). Acts as a negative regulator of type I interferon production by mediating ubiquitination of RIGI at 'Lys- 181',

leading to RIGI degradation (PubMed:17460044, PubMed:26471729). Mediates ubiquitination and subsequent degradation of p53/TP53 (PubMed:25591766). Mediates ubiquitination and subsequent degradation of JAK1 (PubMed:26027934). Acts as a positive regulator of T-cell activation (PubMed:15843525).

Cellular Location
Golgi apparatus membrane; Lipid-anchor. Note=Shows a reticular staining pattern within the cell and is probably expressed at other intracellular membranes in addition to the Golgi membrane. Not detected at the plasma membrane.

Tissue Location
Predominantly expressed in lymphoid tissues, including bone marrow, spleen and thymus. Also weakly expressed in other tissues. Predominant in the CD4(+) and CD8(+) T-cells, suggesting that it is preferentially confined to T-cells

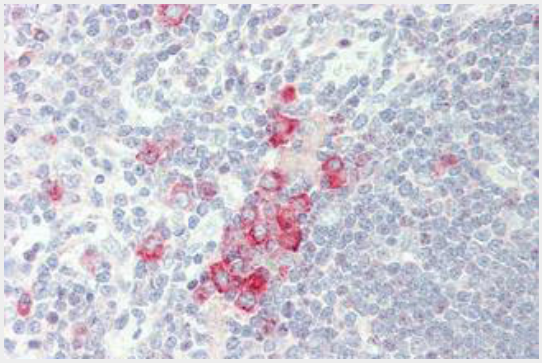
Volume
50 µl

RNF125 Antibody (aa131-180) - Protocols

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

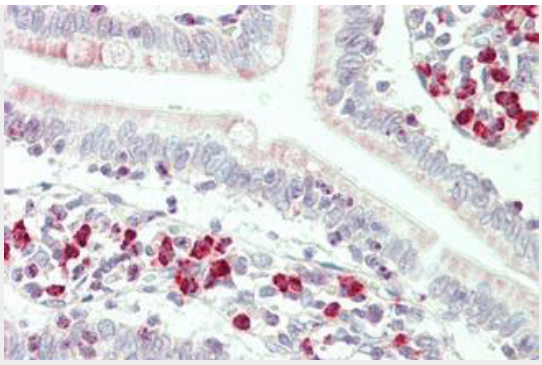
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RNF125 Antibody (aa131-180) - Images

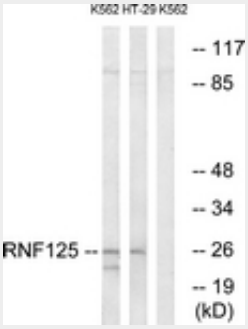


Anti-RNF125 antibody IHC staining of human thymus.

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Anti-RNF125 antibody IHC staining of human small intestine.



Western blot of extracts from K562/HT-29 cells, using RNF125 Antibody.

RNF125 Antibody (aa131-180) - Background

E3 ubiquitin-protein ligase that acts as a positive regulator of T-cell activation. E3 ligase proteins mediate ubiquitination and subsequent proteasomal degradation of target proteins.

RNF125 Antibody (aa131-180) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Chu P.,et al.J. Biol. 2:21.1-21.16(2003).
Zhao H.,et al.J. Immunol. 174:5288-5297(2005).