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

RNF144A / RNF144 Antibody (aa151-200)

Rabbit Polyclonal Antibody
Catalog # ALS14677

Specification

RNF144A / RNF144 Antibody (aa151-200) - Product Information

Application	**WB**
Primary Accession	P50876
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**33kDa KDa**

RNF144A / RNF144 Antibody (aa151-200) - Additional Information

Gene ID 9781

Other Names
E3 ubiquitin-protein ligase RNF144A, 6.3.2.-, RING finger protein 144A, UbcM4-interacting protein 4, Ubiquitin-conjugating enzyme 7-interacting protein 4, RNF144A, KIAA0161, RNF144, UBCE7IP4

Target/Specificity
RNF144A Antibody detects endogenous levels of total RNF144A protein.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
RNF144A / RNF144 Antibody (aa151-200) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF144A / RNF144 Antibody (aa151-200) - Protein Information

Name RNF144A

Synonyms KIAA0161, RNF144, UBCE7IP4

Function
E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:26216882). Mediates the ubiquitination and degradation of the DNA damage kinase PRKDC during DNA damage (PubMed:24979766). Positively regulates DNA virus or exogenous cytosolic DNA-triggered innate immune response by mediating STING1 ubiquitination and increasing its 'Lys-6'-linked ubiquitination and translocation from the endoplasmic reticulum to the Golgi leading to downstream signaling pathways (PubMed:37955227). Plays a

positive role in EGF-dependent cell proliferation by prolonging EGF/EGFR signaling during EGF stimulation through EGFR ubiquitination (PubMed:30171075). Increases ERK activity independently of EGFR signaling by promoting polyubiquitination and subsequent degradation of VRK3 in the cytosol (PubMed:33067254).

Cellular Location
Cell membrane; Single-pass membrane protein. Cytoplasmic vesicle membrane. Endosome membrane. Endoplasmic reticulum membrane

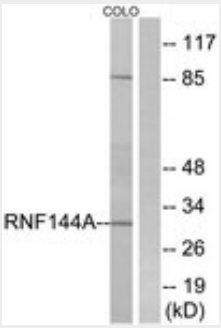
Volume
50 µl

RNF144A / RNF144 Antibody (aa151-200) - 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

RNF144A / RNF144 Antibody (aa151-200) - Images



Western blot of extracts from COLO cells, using RNF144A Antibody.

RNF144A / RNF144 Antibody (aa151-200) - Background

E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates the ubiquitination and degradation of the DNA damage kinase PRKDC.

RNF144A / RNF144 Antibody (aa151-200) - References

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Hillier L.W.,et al.Nature 434:724-731(2005).
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