

**RNF144A Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14399c****Specification**

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**RNF144A Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P50876](#)**RNF144A Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 9781

**Other Names**

E3 ubiquitin-protein ligase RNF144A, 632-, RING finger protein 144A, UbcM4-interacting protein 4, Ubiquitin-conjugating enzyme 7-interacting protein 4, RNF144A, KIAA0161, RNF144, UBCE7IP4

**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.

**RNF144A Antibody (Center) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/26216882" target="\_blank">26216882</a>). Mediates the ubiquitination and degradation of the DNA damage kinase PRKDC during DNA damage (PubMed:<a href="http://www.uniprot.org/citations/24979766" target="\_blank">24979766</a>). 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:<a href="http://www.uniprot.org/citations/37955227" target="\_blank">37955227</a>). Plays a positive role in EGF-dependent cell proliferation by prolonging EGF/EGFR signaling during EGF stimulation through EGFR ubiquitination (PubMed:<a href="http://www.uniprot.org/citations/30171075" target="\_blank">30171075</a>). Increases ERK activity independently of EGFR signaling by promoting polyubiquitination and subsequent degradation of VRK3 in the cytosol (PubMed:<a href="http://www.uniprot.org/citations/33067254" target="\_blank">33067254</a>).

target="\_blank">33067254</a>).

**Cellular Location**

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

**RNF144A Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**RNF144A Antibody (Center) Blocking Peptide - Images****RNF144A Antibody (Center) Blocking Peptide - Background**

The protein encoded by this protein contains a RINGfinger, a motif known to be involved in protein-DNA and protein-protein interactions. The mouse counterpart of this protein has been shown to interact with Ube2I3/UbcM4, which is a ubiquitin-conjugating enzyme involved in embryonic development.

**RNF144A Antibody (Center) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Adkins, D.E., et al. Mol. Psychiatry (2010) In press :Hoja, M.R., et al. Exp. Cell Res. 259(1):239-246(2000) Martinez-Noel, G., et al. FEBS Lett. 454(3):257-261(1999)