RNF144A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RNF144A, Polyclonal Antibody
Full Product Name	RNF144A Polyclonal Conjugated Antibody
Product Gene Name	anti-RNF144A antibody
Product Synonym Names	RNF144A Conjugated Antibody; RNF144; UBCE7IP4; hUIP4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	32,890 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (7057523..7184310). Location: 2p25.2
3D Structure	ModBase 3D Structure for P50876
Immunogen	Recombinant fusion protein of human RNF144A (NP_055561.2).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-RNF144A antibody	Most Applications
Application Notes for anti-RNF144A antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-RNF144A antibody	This gene encodes a member of a family of RING finger domain-containing E3 ubiquitin ligases that also includes parkin and parc. The expression of this gene is induced by DNA damage. The encoded protein interacts with the cytoplasmic DNA-dependent protein kinase, catalytic subunit (DNA-PKcs) and promotes its degradation through ubiquitination. The orthologous mouse protein has been shown to interact with a ubiquitin-conjugating enzyme involved in embryonic development. [provided by RefSeq, Mar 2017]
Other Notes	Small volumes of anti-RNF144A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RNF144A purchase	MBS9441267 is an antibody targeting RNF144A. Also known as RNF144A Polyclonal Conjugated Antibody. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNF144A. It may not necessarily be applicable to this product.

NCBI GI #	38045938
NCBI GeneID	9781
NCBI Accession #	NP_055561.2
UniProt Primary Accession #	P50876
UniProt Secondary Accession #	Q585H5; D6W4Y6
UniProt Related Accession #	P50876
GenBank Nucleotide #	NM_014746.3
NCBI Official Full Name	probable E3 ubiquitin-protein ligase RNF144A
NCBI Official Synonym Full Names	ring finger protein 144A
NCBI Official Symbol	RNF144A
NCBI Official Synonym Symbols	RNF144; UBCE7IP4
UniProt Protein Name	Probable E3 ubiquitin-protein ligase RNF144A
UniProt Synonym Protein Names	RING finger protein 144A; UbcM4-interacting protein 4; Ubiquitin-conjugating enzyme 7-interacting protein 4
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	RNF144A
UniProt Synonym Gene Names	KIAA0161; RNF144; UBCE7IP4
UniProt Entry Name	R144A_HUMAN
NCBI Protein Information	probable E3 ubiquitin-protein ligase RNF144A; UbcM4-interacting protein 4; ubiquitin conjugating enzyme 7 interacting protein 4; ubiquitin-conjugating enzyme 7-interacting protein 4
NCBI Summary for RNF144A	The protein encoded by this protein contains a RING finger, 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 Ube2l3/UbcM4, which is an ubiquitin-conjugating enzyme involved in embryonic development. [provided by RefSeq, Jul 2008]
UniProt Comments for RNF144A	RNF144A: 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. Belongs to the RBR family. RNF144 subfamily. Protein type: Ligase; EC 6.3.2.-; Membrane protein, integral; Ubiquitin conjugating system; Ubiquitin ligase; EC 6.3.2.19 Chromosomal Location of Human Ortholog: 2p25.2 Cellular Component: Golgi apparatus; cytoplasmic vesicle membrane; plasma membrane; integral to membrane Molecular Function: zinc ion binding; ligase activity Biological Process: protein ubiquitination
Research Articles on RNF144A	**1.** novel mechanistic insights into regulation of tumor progression and metastasis by MTA1 and a previously unrecognized role of RNF144A in MTA1-driven cancer cell migration and invasion
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