MKRN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MKRN3, Polyclonal Antibody
Full Product Name	MKRN3, ID (MKRN3, D15S9, RNF63, ZNF127, Probable E3 ubiquitin-protein ligase makorin-3, RING finger protein 63, Zinc finger protein 127) (MaxLight 550)
Product Gene Name	anti-MKRN3 antibody
Product Synonym Names	MKRN3; D15S9; RNF63; ZNF127; Probable E3 ubiquitin-protein ligase makorin-3; RING finger protein 63; Zinc finger protein 127
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	55,645 Da
OMIM	U19107 Genomic DNA
3D Structure	ModBase 3D Structure for Q13064
Immunogen	MKRN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 167-197 amino acids from the Central region of human MKRN3.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-MKRN3 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-MKRN3 antibody	Western Blot (WB), FLISA
Application Notes for anti-MKRN3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MKRN3 antibody	The protein encoded by this gene contains a RING (C3HC4) zinc finger motif and several C3H zinc finger motifs.
Product References and Citations for anti-MKRN3 antibody	Jong, M.T., et al. Hum. Mol. Genet. 8(5):783-793(1999).
Other Notes	Small volumes of anti-MKRN3 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 MKRN3 purchase	MBS6321027 is an antibody targeting MKRN3. Also known as MKRN3, ID (MKRN3, D15S9, RNF63, ZNF127, Probable E3 ubiquitin-protein ligase makorin-3, RING finger protein 63, Zinc finger protein 127) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MKRN3. It may not necessarily be applicable to this product.

NCBI GI #	5032243
NCBI GeneID	7681
NCBI Accession #	NP_005655.1
UniProt Primary Accession #	Q13064
UniProt Related Accession #	Q13064
GenBank Nucleotide #	NM_005664.3
NCBI Official Full Name	probable E3 ubiquitin-protein ligase makorin-3
NCBI Official Synonym Full Names	makorin ring finger protein 3
NCBI Official Symbol	MKRN3
NCBI Official Synonym Symbols	CPPB2; D15S9; RNF63; ZFP127; ZNF127
UniProt Protein Name	Probable E3 ubiquitin-protein ligase makorin-3
UniProt Synonym Protein Names	RING finger protein 63; RING-type E3 ubiquitin transferase makorin-3Curated; Zinc finger protein 127
Protein Family	Probable E3 ubiquitin-protein ligase makorin
UniProt Gene Name	MKRN3
UniProt Synonym Gene Names	D15S9; RNF63; ZNF127
NCBI Protein Information	probable E3 ubiquitin-protein ligase makorin-3
NCBI Summary for MKRN3	The protein encoded by this gene contains a RING (C3HC4) zinc finger motif and several C3H zinc finger motifs. This gene is intronless and imprinted, with expression only from the paternal allele. Disruption of the imprinting at this locus may contribute to Prader-Willi syndrome. An antisense RNA of unknown function has been found overlapping this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for MKRN3	MKRN3: E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Protein type: EC 6.3.2.-; EC 6.3.2.19; Ubiquitin conjugating system; Ubiquitin ligase Chromosomal Location of Human Ortholog: 15q11.2 Cellular Component: intracellular ribonucleoprotein complex Molecular Function: identical protein binding; metal ion binding; protein binding; transferase activity Biological Process: protein ubiquitination Disease: Prader-willi Syndrome; Precocious Puberty, Central, 2
Research Articles on MKRN3	**1.** The genetic findings in our patients' cohort with central precocious puberty are in agreement with the hypothesis that the MKRN3 gene may act as an inhibitor of GnRH secretion during childhood. 13 It seems that MKRN3 gene alterations do not necessarily lead to early pubertal development in males, but paternally inherited MKRN3 mutations are responsible for central precocious puberty in females.

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