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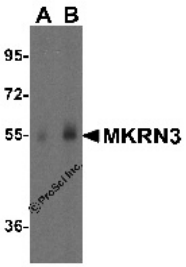
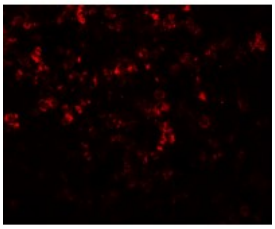
MKRN3 Antibody

CATALOG NUMBER: 8145



Western blot analysis of MKRN3 in human spleen tissue lysate with MKRN3 antibody at (A)1 and (B) 2 ug/ml.



Immunofluorescence of MKRN3 in human spleen tissue with MKRN3 antibody at 20 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, IF, WB
APPLICATIONS:	MKRN3 antibody can be used for detection of MKRN3 by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1306 - Human Spleen Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	Predicted: 55 kDa Observed: 55 kDa
SPECIFICITY:	MKRN3 antibody is human specific. MKRN3 antibody is predicted to not cross-react with other members of the MKRN protein family.
IMMUNOGEN:	MKRN3 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human MKRN3. The immunogen is located within amino acids 400 - 450 of MKRN3.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	MKRN3 antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	MKRN3 antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	MKRN3 antibody can be stored at 4˚C for three months and -20˚C, stable for up to one year.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Makorin ring finger 3, CPPB2, D15S9, RNF63, ZFP127, ZNF127
ACCESSION NO.:	NP_005655
PROTEIN GI NO.:	5032243
OFFICIAL SYMBOL:	MKRN3
GENE ID:	7681

Background

BACKGROUND:	The Makorin ring finger 3 (MKRN3) protein contains a RING (C3HC4) zinc finger motif and several C3H zinc finger motifs. The MKRN3 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 (1), but a deletion of the gene does not (2). A deficiency of MKRN3 has been shown to cause central precocious puberty in humans (3).
REFERENCES:	1) Jong MT, Gray TA, Ji Y, et al. A novel imprinted gene, encoding a RING zinc-finger protein, a overlapping antisense transcript in the Prader-Willi syndrome critical region. Hum. Mol. Genet. 1999; 8:783-93.
	2) Kanber D, Giltay J, Wieczorek D, et al. A paternal deletion of MKRN3, MAGEL2 and NDN does not result in Prader-Willi syndrome. Eur. J. Hum. Genet. 2009; 17:582-90.
	3) Abreu AP, Dauber A, Macedo DB, et al. Central precocious puberty caused by mutations in the imprinting gene MKRN3. N. Engl. J. Med. 2013; 368:2467-75.

FOR RESEARCH USE ONLY

December 14, 2016