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MKRN3 Antibody
Catalog # ASC11911

Specification

MKRN3 Antibody - Product Information

Application	**WB, IF**
Primary Accession	Q6NSB6
Other Accession	NP_005655, 5032243
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 55 kDa** **Observed: 55 kDa KDa**
Application Notes	**MKRN3 antibody can be used for detection of MKRN3 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.**

MKRN3 Antibody - Additional Information

Gene ID **7681**

Target/Specificity
MKRN3; MKRN3 antibody is human specific. MKRN3 antibody is predicted to not cross-react with other members of the MKRN protein family.

Reconstitution & Storage
MKRN3 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
MKRN3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MKRN3 Antibody - Protein Information

MKRN3 Antibody - 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

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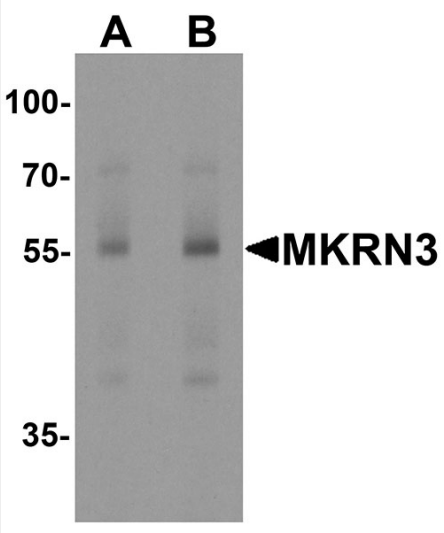
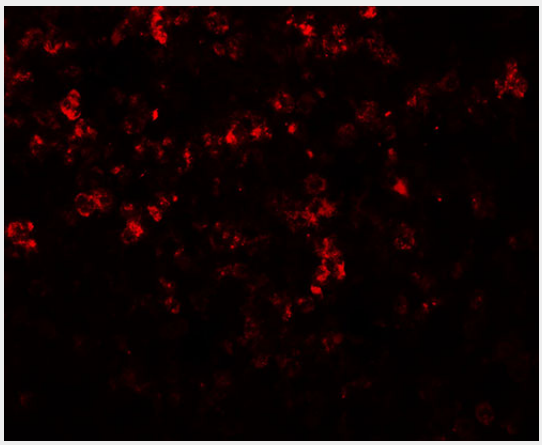
MKRN3 Antibody - Images



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



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

MKRN3 Antibody - 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).

MKRN3 Antibody - References

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.
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.
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.

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