

# Product Datasheet

## MKRN1 Antibody NBP2-27545

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-27545**

## MKRN1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

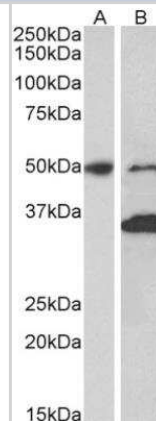
Product Description	
Description	Novus Biologicals Goat MKRN1 Antibody (NBP2-27545) is a polyclonal antibody validated for use in WB and ELISA. Anti-MKRN1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	23608
Gene Symbol	MKRN1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_038474.2; NP_001138597.1).
Immunogen	Peptide with sequence C-RYEHKPLKQEEAT corresponding to internal region according to NP_038474.2, NP_001138597.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/ml, Peptide ELISA Detection limit 1:64000
Application Notes	WB: Approx. 50 kDa band observed in fetal mouse brain lysates and 35 kDa band plus fainter 50 kDa band bands in adult mouse brain lysates (calculated MW of 52.9 kDa band according to NP_061280.2). The observed 35 kDa band corresponds to the calculated MW of human isoform 2 (35.2 kDa band according to NP_001138597.1), but this size isoform has not yet been confirmed in mouse. In transfected HEK293 transiently expressing full-length human MKRN1 (myc and DYKDDDDK tagged), a band of approx. 60 kDa band was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-DYKDDDDK tag antibody.

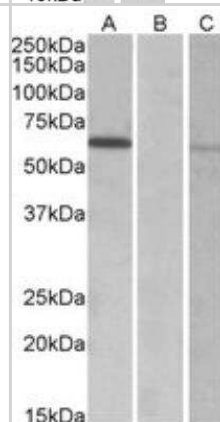


## Images

Western Blot: MKRN1 Antibody [NBP2-27545] - Staining of Mouse fetal (A) and adult (B) Brain lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot: MKRN1 Antibody [NBP2-27545] - HEK293 lysate (10ug protein in RIPA buffer) over expressing Human MKRN1 with DYKDDDDK tag probed with NBP2-27545 (0.3ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1:1000) in lane C. Mock-transfected HEK293 probed with NBP2-27545 (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



## Publications

Kim JH, Park SM, Kang MR et al. Ubiquitin ligase MKRN1 modulates telomere length homeostasis through a proteolysis of hTERT. *Genes Dev* 2005-04-01 [PMID: 15805468]



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### **Products Related to NBP2-27545**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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