

For Research Use Only

# MKRN2 Polyclonal antibody

Catalog Number: 12238-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 12238-1-AP	<b>GenBank Accession Number:</b> BC015715	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23609	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> makorin ring finger protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 416 aa, 47 kDa	
<b>Immunogen Catalog Number:</b> AG2881	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A375 cells, K-562 cells IHC : human prostate cancer tissue, IF : U2OS cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MKRN2(Probable E3 ubiquitin-protein ligase makorin-2) is also named as RNF62. It is an E3 ubiquitin ligase that catalyzes the covalent attachment of ubiquitin moieties onto substrate proteins. It may be playing a functional role in negatively regulating neurogenesis via PI3K/Akt signaling.

## Notable Publications

Author	Pubmed ID	Journal	Application
Caiwei Jia	32560817	Biochem Biophys Res Commun	WB
Yiling Zhang	32194692	Oncol Lett	WB
Jian Wang	38242315	J Invest Dermatol	WB

## Storage

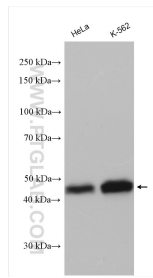
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

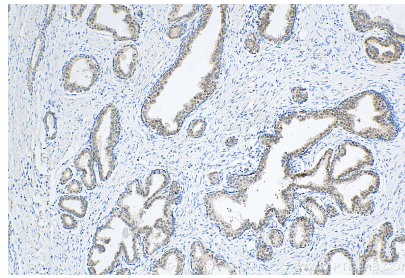
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

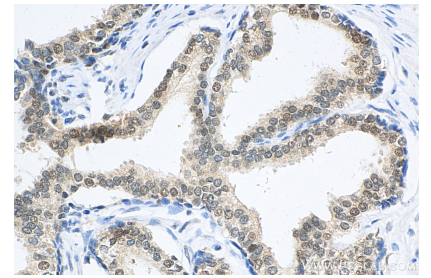
## Selected Validation Data



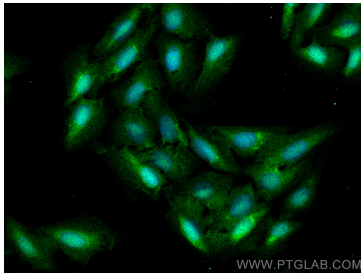
Various lysates were subjected to SDS PAGE followed by western blot with 12238-1-AP (MKRN2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12238-1-AP (MKRN2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12238-1-AP (MKRN2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MKRN2 antibody (12238-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).