

Makorin Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2438a**Specification**

Makorin Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q9UHC7
Other Accession	NP_038474.1 , NP_001138597.1 , 23608
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	53349

Makorin Antibody (internal region) - Additional Information**Gene ID** 23608**Other Names**

E3 ubiquitin-protein ligase makorin-1, 6.3.2.-, RING finger protein 61, MKRN1, RNF61

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Makorin Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Makorin Antibody (internal region) - Protein Information**Name** MKRN1**Synonyms** RNF61**Function**

E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include FILIP1, p53/TP53, CDKN1A and TERT. Keeps cells alive by suppressing p53/TP53 under normal conditions, but stimulates apoptosis by repressing CDKN1A under stress conditions. Acts as a negative regulator of telomerase. Has negative and positive effects on RNA polymerase II- dependent transcription.

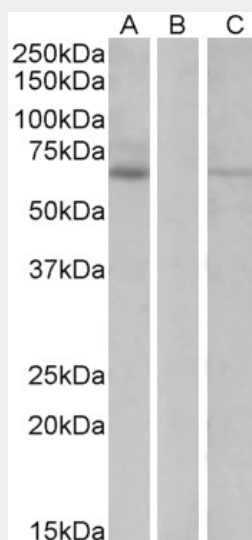
Tissue Location

Ubiquitous.

Makorin Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Makorin Antibody (internal region) - Images

HEK293 lysate (10ug protein in RIPA buffer) over expressing Human MKRN1 with DYKDDDDK tag probed with AF2438a (1ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/1000) in lane C. Mock-transfected HEK293 probed with AF2438a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

Makorin Antibody (internal region) - Background

This antibody may cross react with MKRN4 (52.9kDa).

Makorin Antibody (internal region) - References

Ubiquitin ligase MKRN1 modulates telomere length homeostasis through a proteolysis of hTERT. Kim JH, Park SM, Kang MR, Oh SY, Lee TH, Muller MT, Chung IK. Genes Dev. 2005 Apr 1;19(7):776-81. PMID: 15805468