

Product datasheet

Anti-MKRN1 antibody ab72054

2 References 2 Images

Overview

Product name	Anti-MKRN1 antibody
Description	Rabbit polyclonal to MKRN1
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan ▲
Immunogen	Synthetic peptide corresponding to a region between residue 432 and the C-terminus (residue 482) of human MKRN1 (NP_038474.1).
Positive control	Whole cell lysates from HeLa and 293T cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7 to 8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab72054** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

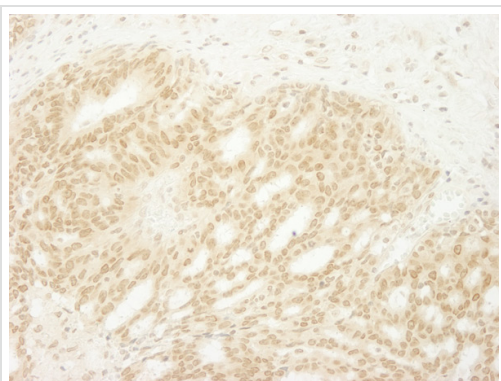
Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
IP		Use at 2-5 µg/mg of lysate.

Application	Abreviews	Notes
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

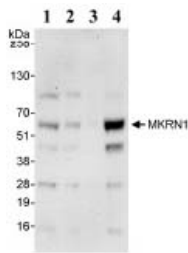
Function	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include FILIP1, p53/TP53, CDKN1A and TERT. Keeps cells alive by suppressing p53/TP53 under normal conditions, but stimulates apoptosis by repressing CDKN1A under stress conditions. Acts as a negative regulator of telomerase. Has negative and positive effects on RNA polymerase II-dependent transcription.
Tissue specificity	Ubiquitous.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Contains 4 C3H1-type zinc fingers. Contains 1 RING-type zinc finger.
Post-translational modifications	Auto-ubiquitinated; which leads to proteasomal degradation.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling MKRN1 with ab72054 at 1/1000 (1µg/ml).
Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MKRN1 antibody (ab72054)



Western blot - Anti-MKRN1 antibody (ab72054)

All lanes : Anti-MKRN1 antibody (ab72054)
at 0.1 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at
50 µg

Lane 2 : Whole cell lysate from HeLa cells at
15 µg

Lane 3 : Whole cell lysate from HeLa cells at
5 µg

Lane 4 : Whole cell lysate from 293T cells at
50 µg

Predicted band size: 53 kDa

Observed band size: 53 kDa

Additional bands at: 100 kDa, 16 kDa, 28
kDa, 45 kDa. We are unsure as to the identity
of these extra bands.

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