

SENP2 Polyclonal Antibody

YT4237 **Catalog No:**

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: SENP2

Fields: >>Nucleocytoplasmic transport;>>Wnt signaling pathway

Gene Name: SENP2

Protein Name: Sentrin-specific protease 2

Human Gene Id: 59343

Human Swiss Prot

Q9HC62

No:

Mouse Gene Id: 75826

Mouse Swiss Prot

Q91ZX6

No:

Rat Gene Id: 78973

Rat Swiss Prot No: Q9EQE1

The antiserum was produced against synthesized peptide derived from human Immunogen:

SENP2. AA range:481-530

Specificity: SENP2 Polyclonal Antibody detects endogenous levels of SENP2 protein.

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Formulation:

Source: Polyclonal, Rabbit, IgG

WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200 **Dilution:**

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 68kD

Cell Pathway: WNT;WNT-T CELL

Background: SUMO1 (UBL1; MIM 601912) is a small ubiquitin-like protein that can be

covalently conjugated to other proteins. SENP2 is one of a group of enzymes that process newly synthesized SUMO1 into the conjugatable form and catalyze the deconjugation of SUMO1-containing species.[supplied by OMIM, Apr 2004],

Function: domain: The N-terminus is necessary and sufficient for nuclear envelope

targeting.,function:Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. May down-regulate CTNNB1 levels and thereby modulate the Wnt

pathway.,PTM:Polyubiquitinated; which leads to proteasomal

degradation., similarity: Belongs to the peptidase C48 family., subcellular

location:Shuttles between cytoplasm and nucleus.,subunit:Binds to SUMO2 and SUMO3 (By similarity). Interacts with the C-terminal domain of NUP153 via its N-

terminus.,

Subcellular Location:

Nucleus, nuclear pore complex . Nucleus membrane ; Peripheral membrane protein ; Nucleoplasmic side . Cytoplasm . Shuttles between cytoplasm and

nucleus...

Expression : Brain, Fetal brain, Melanoma, Teratocarcinoma,

Tag: orthogonal

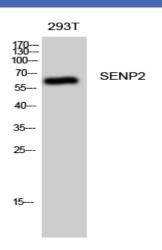
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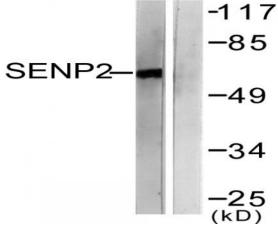
Host: Rabbit

Modifications: Unmodified

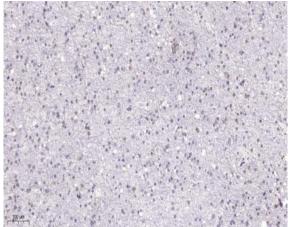
Products Images



Western Blot analysis of 293T cells using SENP2 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from MDA-MB-435 cells, using SENP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human brain. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).