

Rabbit SENP2 Polyclonal Antibody | anti-SENP2 antibody

SENP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327472	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

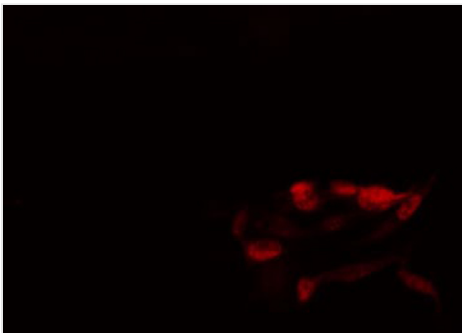
PRODUCT SYNONYMS

SENP2; Polyclonal Antibody; SENP2 Antibody; Axam2; DKFZp762A2316; KIAA1331; Senp2; SENP2_HUMAN; Sentrin specific protease 2; Sentrin-specific protease 2; Sentrin/SUMO specific protease SENP2; Sentrin/SUMO-specific protease SENP2; SMT3 specific isopeptidase 2; SMT3-specific isopeptidase 2; Smt3ip2; SUMO1/sentrin/SMT3 specific peptidase 2; anti-SENP2 antibody

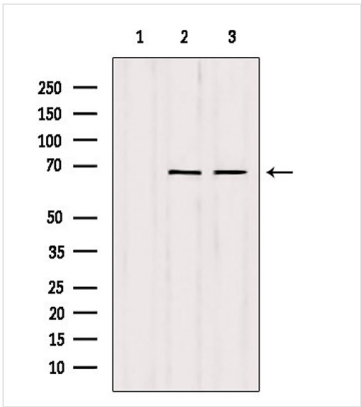
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SENP2 antibody detects endogenous levels of total SENP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	589
Applicable Applications for anti-SENP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SENP2
Subcellular Location	Nucleus > Nuclear Pore Complex. Nucleus Membrane. Cytoplasm. Shuttles between cytoplasm and nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

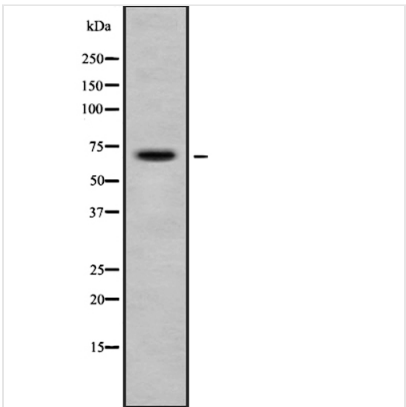
IMAGES



IF (Immunofluorescence)
AAA327472 staining MDA-MB-435 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from various samples, using SENP2 Antibody. Lane 1: mouse brain treated with blocking peptide. Lane 2: mouse brain; Lane 3: rat brain;



WB (Western Blot)
Western blot analysis SENP2 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SENP2 antibody

Function: Protease that catalyzes two essential functions in the SUMO pathway. The first is the hydrolysis of an alpha-linked peptide bond at the C-terminal end of the small ubiquitin-like modifier (SUMO) propeptides, SUMO1, SUMO2 and SUMO3 leading to the mature form of the proteins. The second is the deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins, by cleaving an epsilon-linked peptide bond between the C-terminal glycine of the mature SUMO and the lysine epsilon-amino group of the target protein. May down-regulate CTNNB1 levels and thereby modulate the Wnt pathway. Deconjugates SUMO2 from MTA1. Plays a dynamic role in adipogenesis by desumoylating and promoting the stabilization of CEBPB (PubMed:20194620). Subunit Structure: Binds to SUMO2 and SUMO3 (By similarity). Interacts with the C-terminal domain of NUP153 via its N-terminus. Interacts with MTA1. Post-translational Modifications: Polyubiquitinated; which leads to proteasomal degradation. Similarity: The N-terminus is necessary and sufficient for nuclear envelope targeting. Belongs to the peptidase C48 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607091
NCBI GeneID	59343
NCBI Accession #	NP_067640.2
NCBI GenBank Nucleotide #	NM_021627.2
UniProt Accession #	Q9HC62; Q8IW97; Q96SR2; Q9P2L5; B4DQ42

Molecular Weight	Observed: 68 kDa Predicted: 68 kDa
NCBI Official Full Name	sentrin-specific protease 2
NCBI Official Synonym Full Names	SUMO specific peptidase 2
NCBI Official Symbol	SENP2
NCBI Official Synonym Symbols	AXAM2; SMT3IP2
NCBI Protein Information	sentrin-specific protease 2
UniProt Protein Name	Sentrin-specific protease 2
UniProt Gene Name	SENP2
UniProt Synonym Gene Names	KIAA1331; Smt3ip2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/senp2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327472>