

Anti-SUMO1 antibody (1-100) (STJ11104457)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

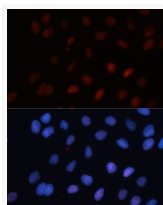
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:100 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 12kDa Observed Mw: 16kDa/80kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

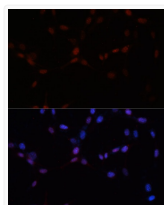
Gene ID	7341
Gene Symbol	SUMO1
UniProt ID	SUMO1_HUMAN
Immunogen Region	1-100
Immunogen Sequence	MSDQEAKPSTEDLGDKKEGE YIKLVIGQDSSEIHFKVKM TTHLKKLKESYCQRQGVPMN SLRFLFEGQRIADNHTPKEL GMEEEDVIEVYQEQTGGHST
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SUMO1 (NP_003343.1).

ADDITIONAL INFORMATION

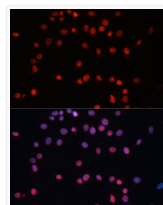
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



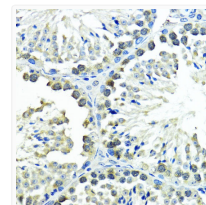
Immunofluorescence analysis of U-2 OS cells using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



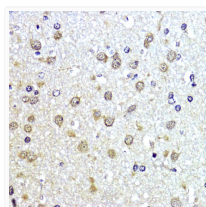
Immunofluorescence analysis of NIH-3T3 cells using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



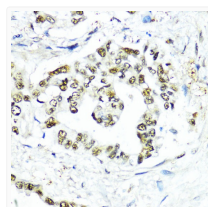
Immunofluorescence analysis of C6 cells using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



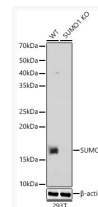
Immunohistochemistry analysis of SUMO1 in paraffin-embedded mouse testis using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of SUMO1 in paraffin-embedded rat brain using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of SUMO1 in paraffin-embedded human lung cancer using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from wild type (WT) and SUMO1 Rabbit polyclonal antibody knockout (KO) 293T cells, using [KO Validated] SUMO1 Rabbit polyclonal antibody (STJ11104457) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.