

Product datasheet for **CF800123**

SENP2 Mouse Monoclonal Antibody [Clone ID: OTI3D3]

Product data:

| | |
|------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI3D3 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Monkey, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 139-523 of human SENP2 (NP_067640) produced in E.coli. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | Homo sapiens SUMO specific peptidase 2 (SENP2), mRNA. |
| Database Link: | NP_067640 Entrez Gene 75826 Mouse Entrez Gene 78973 Rat Entrez Gene 700717 Monkey Entrez Gene 59343 Human Q9HC62 |



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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]. COMPLETENESS: complete on the 3' end.

Synonyms:

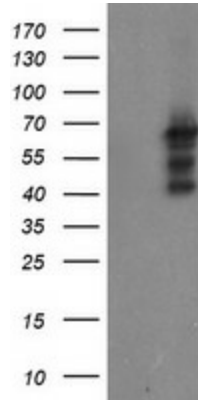
AXAM2; SMT3IP2

Protein Families:

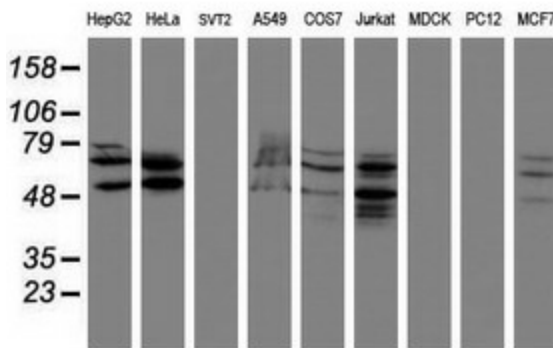
Druggable Genome, Protease

Protein Pathways:

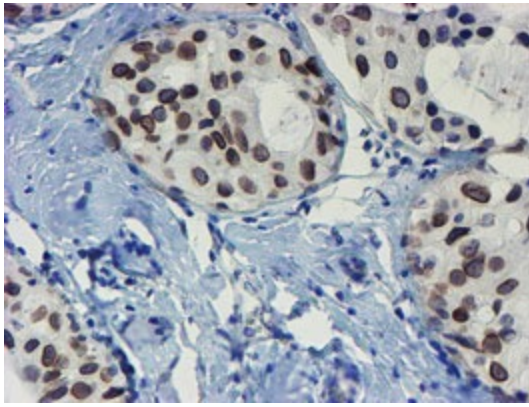
Wnt signaling pathway

Product images:


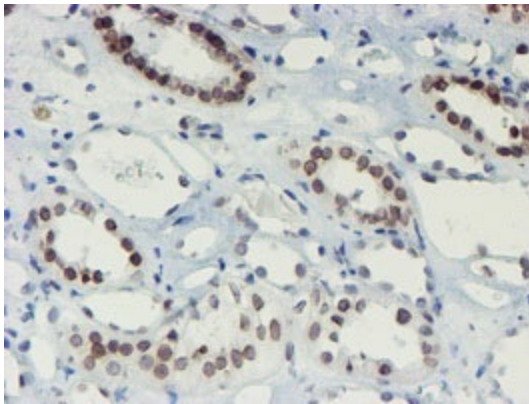
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SENP2 (RC208109), Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SENP2.



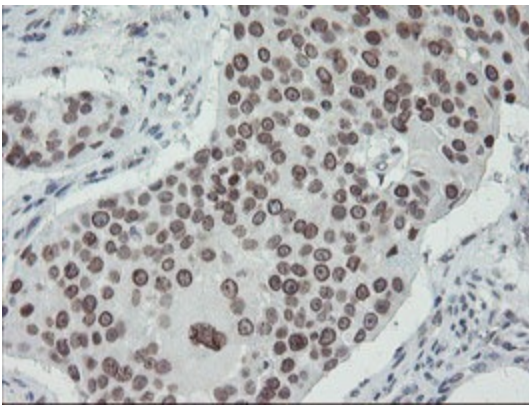
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SENP2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



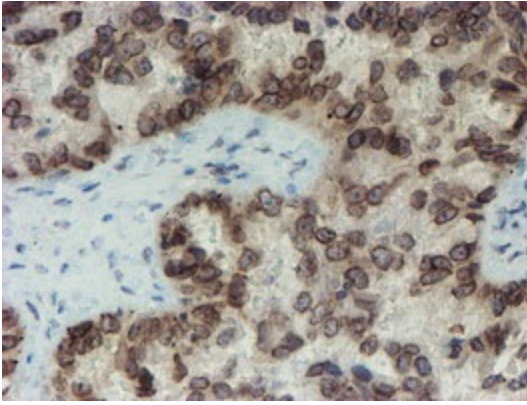
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800123])



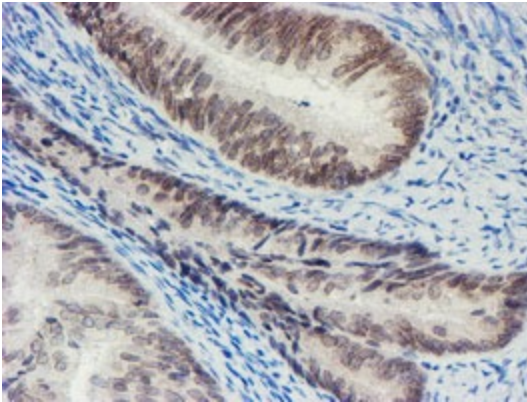
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800123])



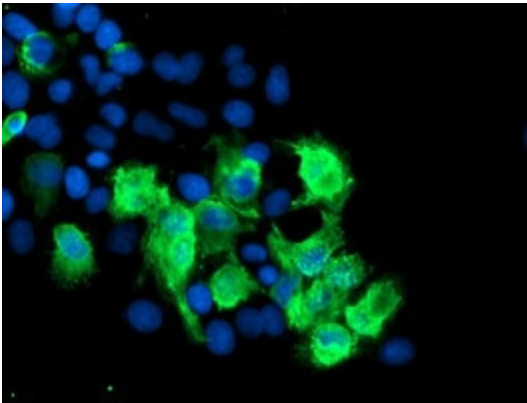
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800123])



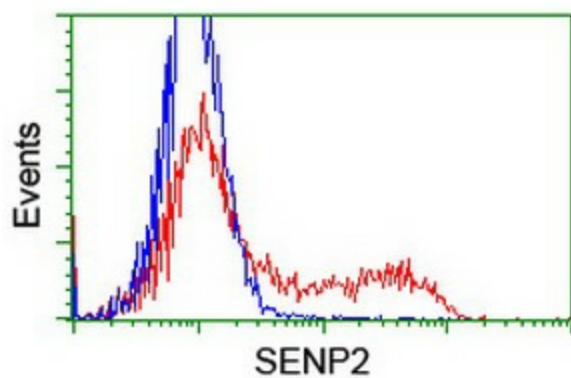
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800123])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA800123])



Anti-SENP2 mouse monoclonal antibody ([TA800123]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SENP2 ([RC208109]).



HEK293T cells transfected with either [RC208109] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SENP2 antibody ([TA800123]), and then analyzed by flow cytometry.