

## Product datasheet for **CF504817**

### SENP2 Mouse Monoclonal Antibody [Clone ID: OTI1H2]

#### Product data:

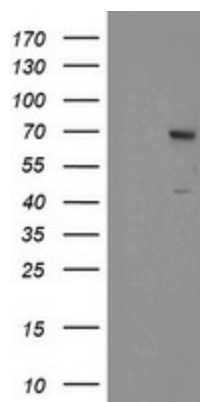
|                        |  |
|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Clone Name:            | OTI1H2   |
| Applications:          | FC, IF, IHC, WB  |
| Recommended Dilution:  | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100   |
| Reactivity:            | Human, Mouse, Rat  |
| Host:                  | Mouse  |
| Isotype:               | IgG1   |
| 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)  |
| 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:         | <a href="#">NP_067640 Entrez Gene</a> <a href="#">75826 MouseEntrez Gene</a> <a href="#">78973 RatEntrez Gene</a> <a href="#">59343 Human</a>  |
| 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   |



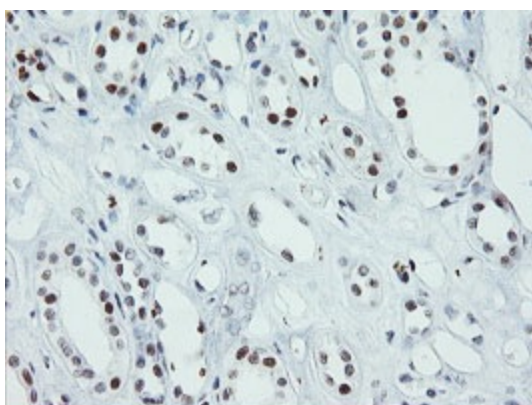
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Protein Pathways: Wnt signaling pathway

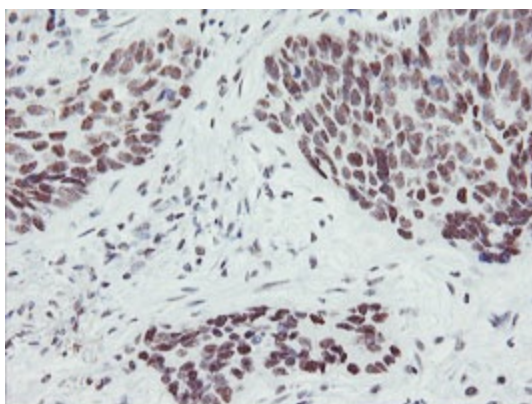
### Product images:



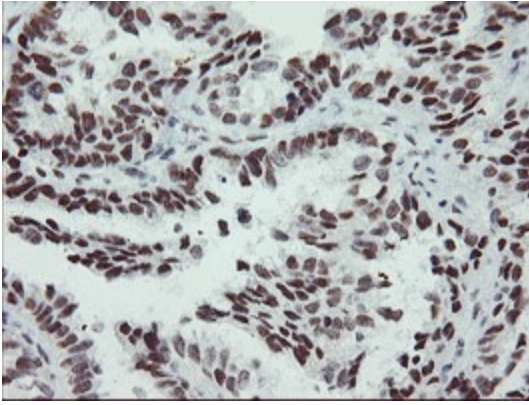
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SENP2 ([RC208109], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SENP2.



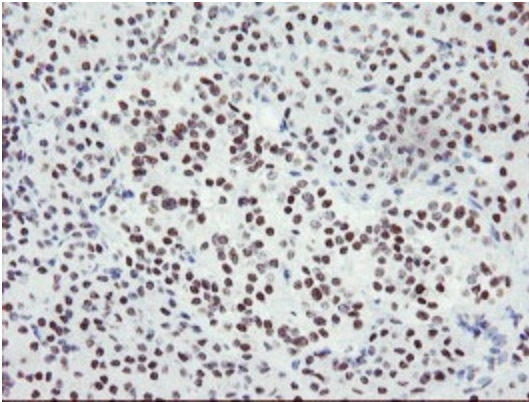
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])



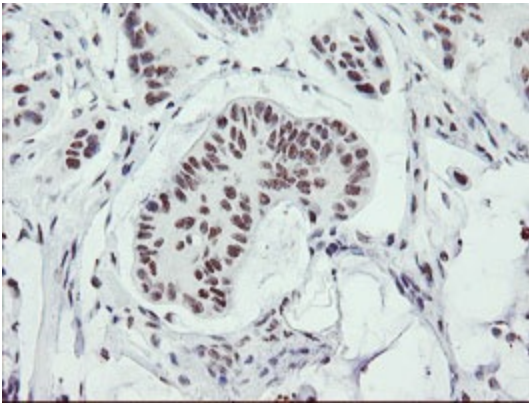
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])



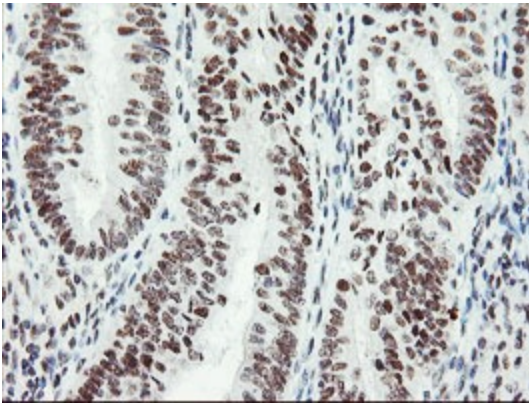
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])



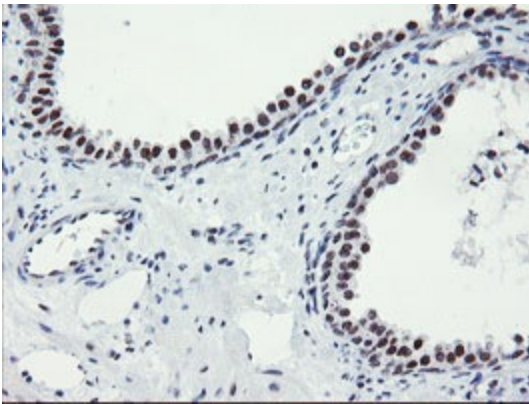
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])



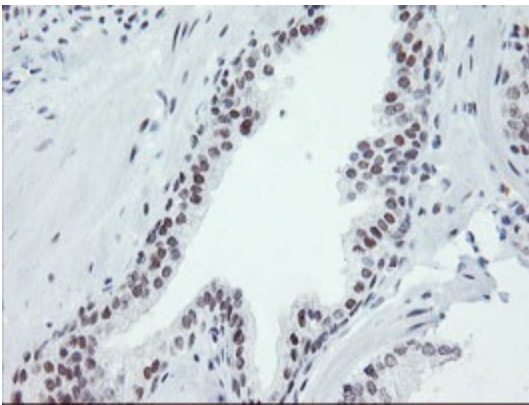
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])



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, [TA504817])

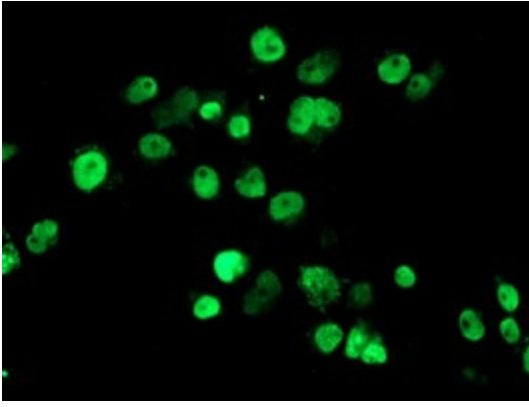


Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])

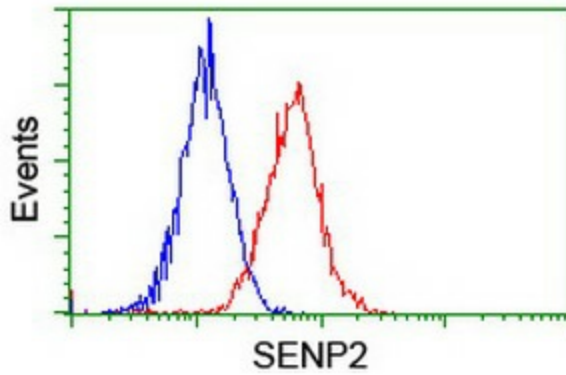


Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-SENP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504817])

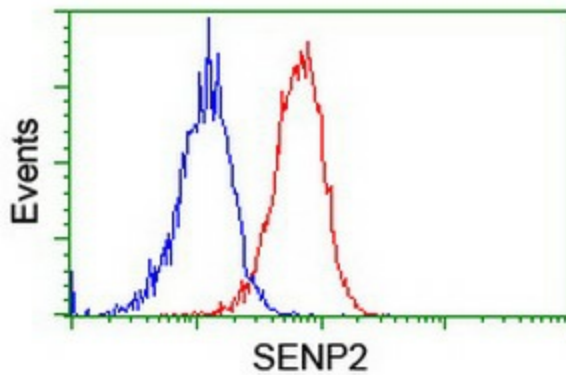




Anti-SEN2 mouse monoclonal antibody ([TA504817]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SEN2 ([RC208109]).



Flow cytometric Analysis of HeLa cells, using anti-SEN2 antibody ([TA504817]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SEN2 antibody ([TA504817]), (Red), compared to a nonspecific negative control antibody, (Blue).