

## Anti-SIRT1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100822

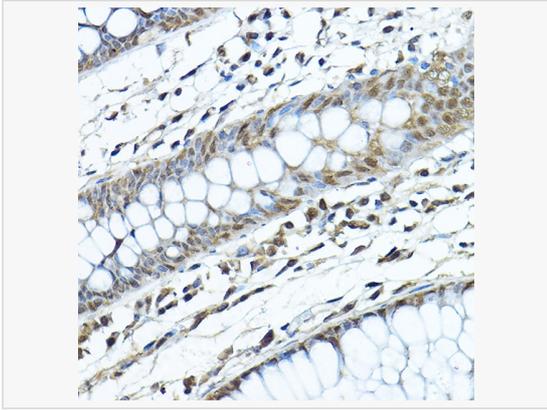
### Product Information

|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA  |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:1,000~1:5,000; IHC-P 1:50~1:200  |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthetic peptide corresponding to a sequence within amino acids 448-747 of human SIRT1 (NP_036370.2).                    |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-SIRT1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.                     |

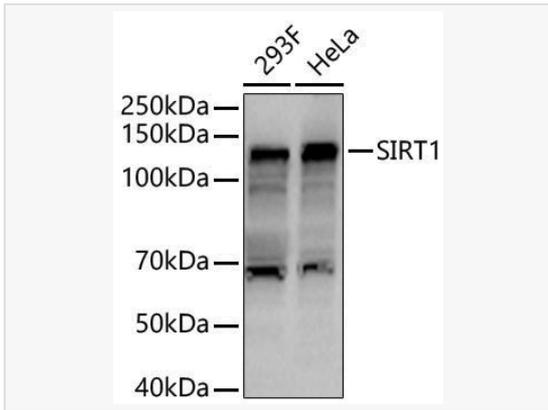
### Protein Information

|               |   |
|---------------|---|
| Synonyms      | SIR2; SIR2L1; SIR2alpha; SIRT1.   |
| Calculated MW | Calculated MW: 82 kDa; Observed MW: 120 kDa   |
| Uniprot ID    | Q96EB6  |
| Gene ID       | 23411   |
| Background    | This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. |

## Validation Images



Immunohistochemistry analysis of paraffin-embedded Human colon using SIRT1 Rabbit pAb (P100822) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western blot analysis of various lysates, using SIRT1 Rabbit pAb (P100822) at 1:2,000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 30s.