Anti-SIRT1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100822

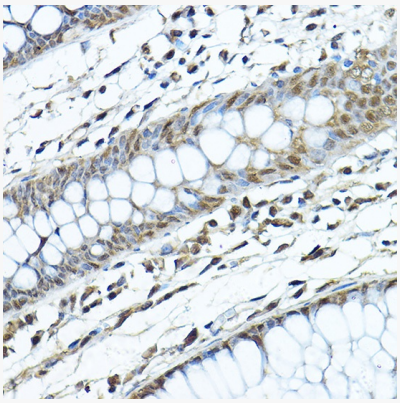
Product Information

Application	WB, IP, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1000~1:5000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells; 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.

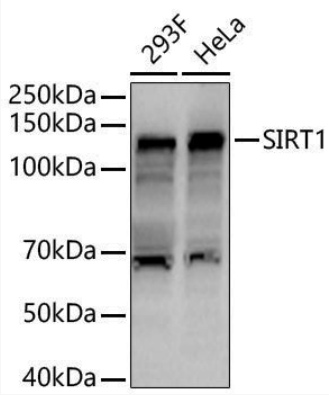
Protein Information

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.