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[Marker Primary Antibody]

Rabbit Anti-SIRT3/HRP Conjugated antibody

Catalog Number: SL6105R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SIRT3/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human SIRT3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 ELISA=1:100-1000 IHC-P=1:50-200 IHC-F=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat
Background:	background: NAD-dependent protein deacetylase. Activates mitochondrial target proteins, including ACSS1, IDH2 and GDH by deacetylating key lysine residues. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels. **Function:** NAD-dependent protein deacetylase. Activates mitochondrial target proteins, including ACSS1, IDH2 and GDH by deacetylating key lysine residues. Contributes to the regulation of the cellular energy metabolism. Important for regulating tissue-specific ATP levels. **Subunit:** Interacts with NDUFA9, ACSS1, IDH2 and GDH. **Subcellular Location:** Mitochondrion matrix. **Tissue Specificity:** Widely expressed. **Post-translational modifications:** Processed by mitochondrial processing peptidase (MPP) to give a 28 kDa product. Such processing is probably essential for its enzymatic activity. **Similarity:** Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	domain. **Database links:** **Entrez Gene:** 23410 Human **Entrez Gene:** 64384 Mouse Omim: 604481 Human **SwissProt:** Q9NTG7 Human **SwissProt:** Q8R104 Mouse **Unigene:** 716456 Human **Unigene:** 244216 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.