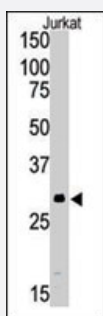


# SIRT5 polyclonal antibody

Catalog # PAB4825

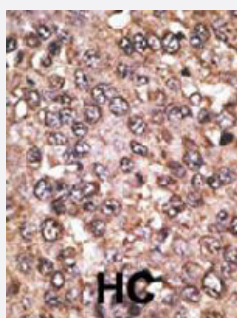
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of SIRT5 polyclonal antibody (Cat # PAB4825) in Jurkat cell lysate (35 ug/lane). SIRT5 (arrow) was detected using the purified polyclonal antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with SIRT5 polyclonal antibody (Cat # PAB4825), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of SIRT5.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SIRT5.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SIRT5

<b>Entrez GeneID</b>	<a href="#">23408</a>
<b>Protein Accession#</b>	<a href="#">NP_036373;Q9NXA8</a>
<b>Gene Name</b>	SIRT5
<b>Gene Alias</b>	FLJ36950, SIR2L5
<b>Gene Description</b>	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)
<b>Omim ID</b>	<a href="#">604483</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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 III of the sirtuin family. Alternative splicing of this gene results in two transcript variants. [provided by RefSeq]

**Other Designations**

OTTHUMP00000016054|OTTHUMP00000016055|silent mating type information regulation 2, S. cerevisiae, homolog 5|sir2-like 5|sirtuin 5|sirtuin type 5

**Publication Reference**

- [Phylogenetic classification of prokaryotic and eukaryotic Sir2-like proteins.](#)

Frye RA.

Biochemical and Biophysical Research Communications 2000 Jul; 273(2):793.

- [Characterization of five human cDNAs with homology to the yeast SIR2 gene: Sir2-like proteins \(sirtuins\) metabolize NAD and may have protein ADP-ribosyltransferase activity.](#)

Frye RA.

Biochemical and Biophysical Research Communications 1999 Jun; 260(1):273.

**Disease**

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)