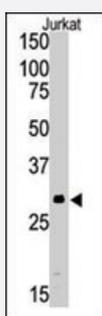


SIRT5 polyclonal antibody

Catalog # PAB4825

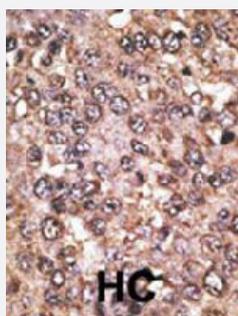
Size 400 uL

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

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

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

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.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SIRT5

Entrez GeneID	23408
Protein Accession#	NP_036373:Q9NXA8
Gene Name	SIRT5
Gene Alias	FLJ36950, SIR2L5
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)
Omim ID	604483
Gene Ontology	Hyperlink

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](#)