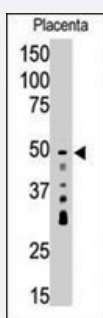


SIRT7 polyclonal antibody

Catalog # PAB4826

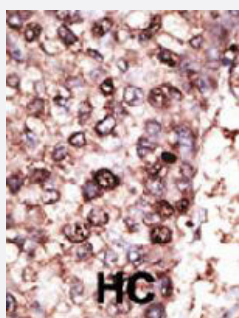
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of SIRT7 polyclonal antibody (Cat # PAB4826) in placenta tissue lysate (35 ug/lane). SIRT7 (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 SIRT7 polyclonal antibody (Cat # PAB4826), 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 SIRT7.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SIRT7.
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 (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SIRT7

Entrez GeneID	51547
Protein Accession#	NP_057622;Q9NRC8
Gene Name	SIRT7
Gene Alias	MGC126840, MGC126842, SIR2L7
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae)
Omim ID	606212
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 IV of the sirtuin family. [provided by RefSeq]

Other Designations

silent mating type information regulation 2, *S.cerevisiae*, homolog 7|sir2-related protein type 7|sirtuin 7|sirtuin type 7

Publication Reference

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

Frye RA.

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