

SIRT3 (PT0250R) PT® Rabbit mAb

Catalog No :	YM8158
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	SIRT3
Fields :	>>Nicotinate and nicotinamide metabolism;>>Metabolic pathways;>>Central carbon metabolism in cancer
Gene Name :	SIRT3
Protein Name :	NAD-dependent protein deacetylase sirtuin-3 mitochondrial
Human Gene Id :	23410
Human Swiss Prot No :	Q9NTG7
Mouse Swiss Prot No :	Q8R104
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1:1000,WB 1:1000-1:5000,IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200,
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	44kD
Observed Band :	28kD

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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq, Jul 2008],

Function : catalytic activity:NAD(+) + an acetylprotein = nicotinamide + O-acetyl-ADP-ribose + a protein.,cofactor:Binds 1 zinc ion per subunit.,function:NAD-dependent deacetylase. Despite some ability to deacetylate histones in vitro, it is unlikely in vivo.,PTM: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.,similarity:Contains 1 deacetylase sirtuin-type domain.,tissue specificity:Widely expressed.,

Subcellular Location : Mitochondrion matrix

Expression : Widely expressed.

Tag : hot,recombinant

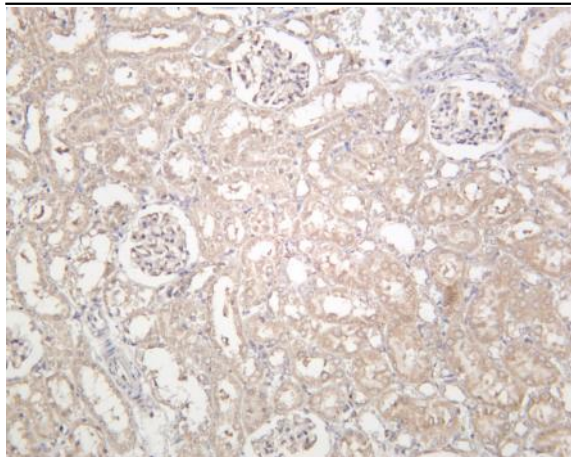
Sort : 1

No4 : 1

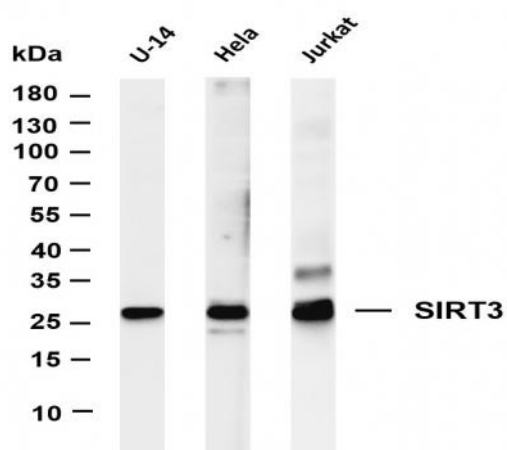
Host : Rabbit

Modifications : Unmodified

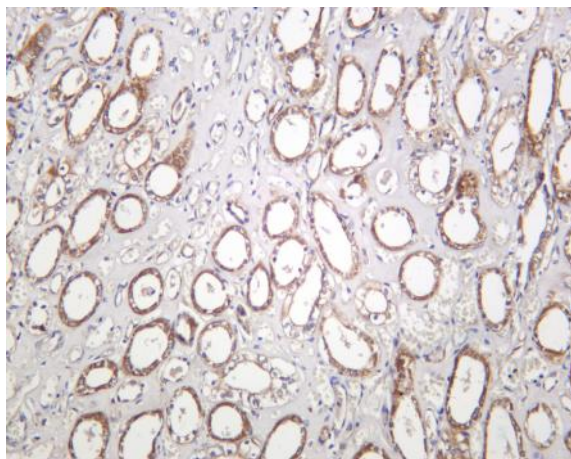
Products Images



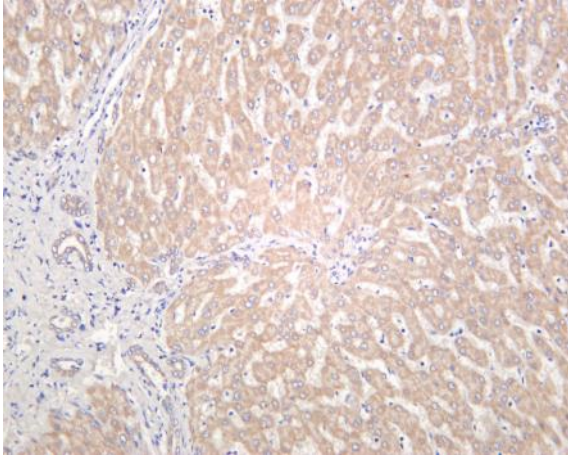
Rat liver was stained with anti-SIRT3 (PT0250R) rabbit antibody



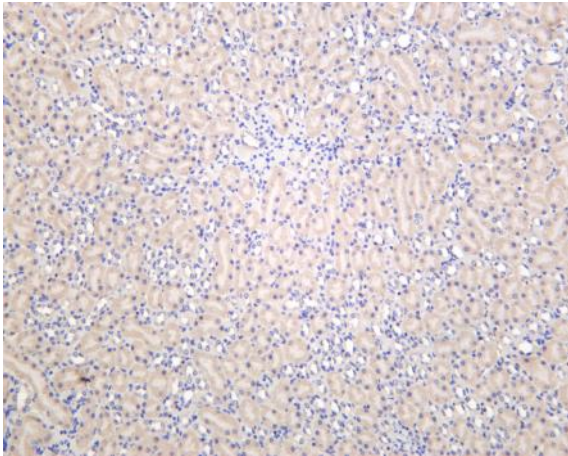
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SIRT3 (PT0250R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: U-14 Lane 2: HeLa Lane 3: Jurkat Predicted band size: 44kDa Observed band size: 28kDa



Human kidney was stained with anti-SIRT3 (PT0250R) rabbit antibody



Human liver was stained with anti-SIRT3 (PT0250R) rabbit antibody



Mouse liver was stained with anti-SIRT3 (PT0250R) rabbit antibody