

## SIRT5 Antibody

Catalog No: #31267

Package Size: #31267-1 50ul #31267-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	SIRT5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total SIRT5 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 229-242 amino acids of Human sirtuin 5
Target Name	SIRT5
Other Names	Sirtuin 5, SIR2L5
Accession No.	Swiss-Prot:Q9NXA8Gene ID:23408;
Uniprot	Q9NXA8
GeneID	23408;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C/1 year

## Application Details

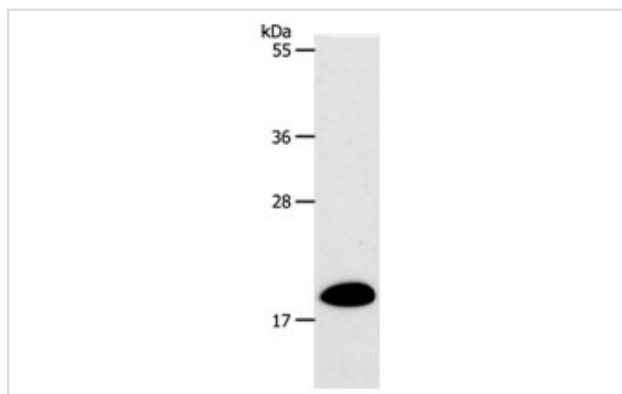
Predicted MW: 22kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



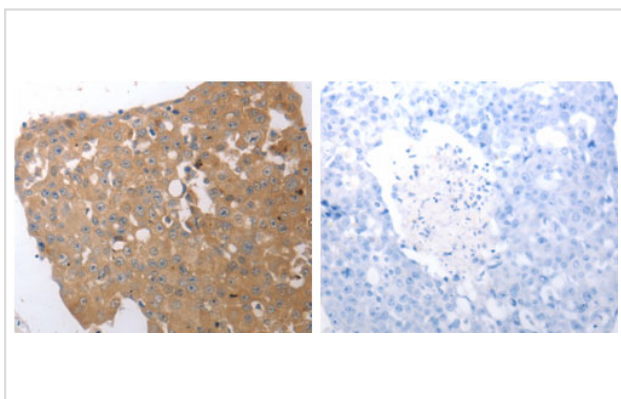
Gel: 10%SDS-PAGE

Lysate: 40 µg Mouse heart tissue lysate

Primary antibody: 1/500 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 10 seconds



The image on the left is immunohistochemistry of paraffin-embedded human breast cancer tissue using 31267 (SIRT5 Antibody) at dilution 1/25, on the right is treated with the synthetic peptide.

## 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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants.

Note: This product is for in vitro research use only