

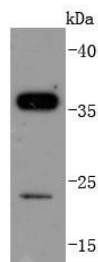
## Anti-SIRT5 Antibody (7F77)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 37/22 kDa.
Clone:	7F77
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis of SIRT5 on Jurkat cells lysates using anti-SIRT5 antibody at 1/1,000 dilution.



Application:	WB
Recommended	WB: 1:1000-2000

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.  
Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9NXA8
Synonyms:	mitochondrial;SIR2L5;SIR2-like protein 5;Regulatory protein SIR2 homolog 5;SIRT 5;NAD-dependent protein deacylase sirtuin-5

## Research Background

SIRT5 is a human member of a family of proteins called Sirtuins (Sir2-like proteins) and are present in prokaryotes and eukaryotes. All Sir2-like proteins have a sirtuin core domain, which contains a series of sequence motifs conserved in organisms ranging from bacteria to humans. Bacterial, yeast and mammalian sirtuins are able to metabolize NAD and possibly act as mono-ADP-ribosyltransferases. The enzymatic function of sirtuins is not yet completely understood but recent reports of histone-activated Sir2-mediated NAD metabolism and NAD-activated Sir2-mediated histone deacetylation suggest a possible coupled reciprocal activation mechanism involving interactions of Sir2 with NAD and the N epsilon-acetyl-lysine groups of acetylated histones.

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