

# Product Datasheet

## Sirtuin 3/SIRT3 Antibody NB600-808

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB600-808**

## Sirtuin 3/SIRT3 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	23410
Gene Symbol	SIRT3
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_036371.1 and NP_001017524.1).
Immunogen	Peptide with sequence C-QRETGKLDGPK, from the C Terminus of the protein sequence according to NP_036371.1, NP_001017524.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx 28 kDa band observed in human liver lysates (calculated MW of 28.6 kDa according to NP_001017524.1).

**Images**

Western Blot: Sirtuin 3/SIRT3 Antibody [NB600-808] - Staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Publications**

Shi T, Wang F, Stieren E, Tong Q. SIRT3, a mitochondrial Sirtuin deacetylase, regulates mitochondrial function and thermogenesis in Brown adipocytes. *J Biol Chem* 2005-01-14 [PMID: 15653680]

Benavente CA, Schnell SA, Jacobson EL Effects of niacin restriction on sirtuin and PARP responses to photodamage in human skin. *PLoS One*. 2012-01-01 [PMID: 22860104] (WB, Human)



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### **Products Related to NB600-808**

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NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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