

Product Datasheet

Sorbitol Dehydrogenase Antibody NB100-1486

Unit Size: 0.1 mg

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

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NB100-1486**Sorbitol Dehydrogenase 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	6652
Gene Symbol	SORD
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 30651350).
Immunogen	Peptide with sequence KIMLKCDPSDQNP corresponding to C-Terminus according to NP_003095.2.

Product Application Details

Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 38 kDa band observed in mouse kidney lysates (calculated MW of 38.3 kDa band according to NP_003095.1). A minor band of unknown identity was also consistently observed at 48 kDa. This band was successfully blocked by incubation with the immunizing peptide.

Images

Western Blot: Sorbitol Dehydrogenase Antibody [NB100-1486] - Staining of mouse kidney lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa
10kDa

Publications

Sanchez-Lozada LG, Andres-Hernando A, Garcia-Arroyo FE et al. Uric acid activates aldose reductase and the polyol pathway for endogenous fructose and fat production causing development of fatty liver in rats. *J. Biol. Chem.* 2019-01-16 [PMID: 30651350] (WB, Human)

Karacaoglan V, Ozer I. Steady-state kinetic properties of sorbitol dehydrogenase from chicken liver. *Comp Biochem Physiol B Biochem Mol Biol* 2005-02-01 [PMID: 15649778]

Cao W, Aghajanian HK, Haig-Ladewig LA, Gerton GL. Sorbitol can fuel mouse sperm motility and protein tyrosine phosphorylation via sorbitol dehydrogenase. *Biol Reprod.* 2009-01-01 [PMID: 18799757] (WB, Mouse)

Details:

WB (mouse sperm cells), Fig. 1A,B,C; Sup. Fig. 2.





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Products Related to NB100-1486

NBL1-16339	Sorbitol Dehydrogenase Overexpression Lysate
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

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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