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

Immunogen

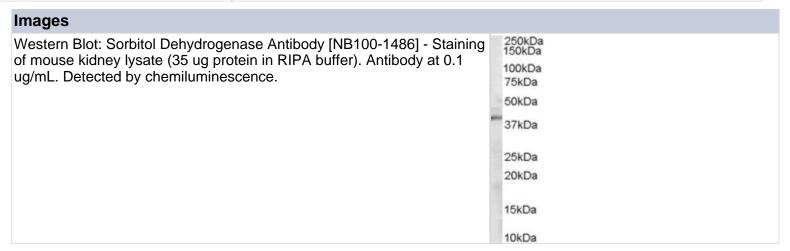
Sorbitol Dehydrogenase Antibody

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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).

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.

according to NP_003095.2.

Peptide with sequence KIMLKCDPSDQNP corresponding to C-Terminus





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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