

# Product Datasheet

## Sorbitol Dehydrogenase Antibody NB100-1486

Unit Size: 0.1 mg

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

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### Publications: 3

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**NB100-1486****Sorbitol Dehydrogenase Antibody**

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

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Sorbitol Dehydrogenase Antibody (NB100-1486) is a polyclonal antibody validated for use in WB and ELISA. Anti-Sorbitol Dehydrogenase Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	6652
<b>Gene Symbol</b>	SORD
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 30651350).
<b>Immunogen</b>	Peptide with sequence KIMLKCDPSDQNP corresponding to C-Terminus according to NP_003095.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/mL, Peptide ELISA Detection limit 1:16000
<b>Application Notes</b>	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

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NBL1-16339	Sorbitol Dehydrogenase Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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