

Product datasheet for **AP53985PU-N**

Sorbitol Dehydrogenase (SORD) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 210-239 amino acids from the Central region of Human SORD.
Specificity:	This antibody recognizes Human SORD (Center).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sorbitol dehydrogenase
Database Link:	Entrez Gene 6652 Human Q00796



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Background:

Sorbitol dehydrogenase (SORD; EC 1.1.1.14) catalyzes the interconversion of polyols and their corresponding ketoses, and together with aldose reductase (ALDR1; MIM 103880), makes up the sorbitol pathway that is believed to play an important role in the development of diabetic complications (summarized by Carr and Markham, 1995 [PubMed 8535074]). The first reaction of the pathway (also called the polyol pathway) is the reduction of glucose to sorbitol by ALDR1 with NADPH as the cofactor. SORD then oxidizes the sorbitol to fructose using NAD(+) cofactor.

Synonyms:

Sorbitol dehydrogenase

Note:

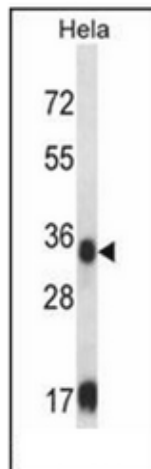
Molecular Weight: 38325 Da

Protein Families:

Druggable Genome

Protein Pathways:

Fructose and mannose metabolism, Metabolic pathways

Product images:

Western blot analysis of SORD Antibody (Center) in HeLa cell line lysates (35ug/lane). This demonstrates the SORD antibody detected the SORD protein (arrow).