Rabbit anti-Human Sorbitol Dehydrogenase Monoclonal Antibody | anti-SORD antibody

Sorbitol Dehydrogenase Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282914	**Rabbit**	**Human**	**ELISA, Western Blot**

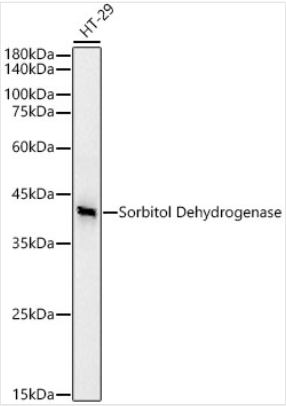
PRODUCT SYNONYMS

Sorbitol Dehydrogenase; Monoclonal Antibody; Sorbitol Dehydrogenase Rabbit mAb; RDH; SDH; XDH; SORD1; SORDD; HEL-S-95n; anti-SORD antibody

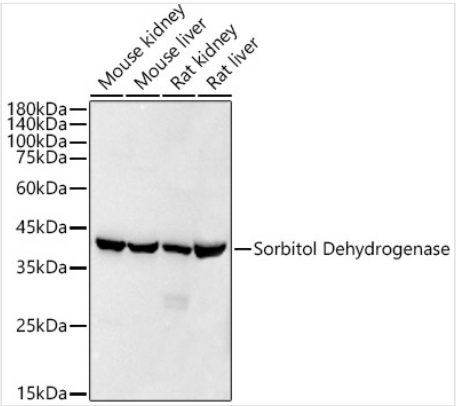
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RENDEFCKMG RYNLSPSIFF CATPPDDGNL CRFYKHNAAF CYKLPDNVTF EEGALIEPLS VGIHACRRGG VTLGHKVLVC GAGPIGMVTL LVAKAMGAAQ V
Applicable Applications for anti-SORD antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human Sorbitol Dehydrogenase (NP_003095.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysates from HT-29 cells, using Sorbitol Dehydrogenase Rabbit mAb (AAA282914) at1:20000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



WB (Western Blot)
Western blot analysis of various lysates using Sorbitol Dehydrogenase Rabbit mAb (AAA282914) at1:20000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-SORD antibody	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 NADpHas the cofactor. SORD then oxidizes the sorbitol to fructose using NAD(+) cofactor.
Product Categories/Family for anti-SORD antibody	Cancer; Signal Transduction; Endocrine Metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	292495088
NCBI GeneID	6652
UniProt Accession #	Q00796; Q16682; Q9UMD6; B2R655; B7Z3A6; J3JZZ5
Molecular Weight	Calculated MW: 38kDa Observed MW: 38kDa
UniProt Protein Name	Sorbitol dehydrogenase
UniProt Gene Name	**SORD**
UniProt Entry Name	DHSO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/sorbitol-dehydrogenase-antibody-western-blot-elisa/282914