

Rabbit SORD Polyclonal Antibody | anti-SORD antibody

SORD antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201063	Rabbit	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Western Blot

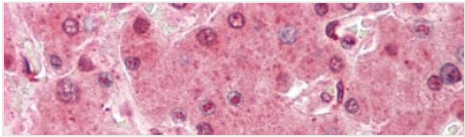
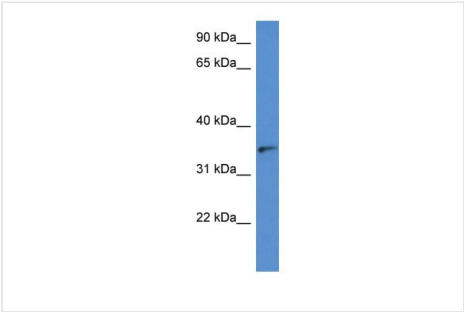
PRODUCT SYNONYMS

SORD; Polyclonal Antibody; SORD antibody - N-terminal region; anti-SORD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Applicable Applications for anti-SORD antibody	WB (Western Blot)
Protein Size (# AA)	357 amino acids
Protein Interactions	SORD; SUMO2; UBC; C12orf10; BCCIP; NAGK; CHORDC1; ACOT7; DDX39A; GDA; THOP1; TCEA1; TALDO1; SMS; PLS3; PGD; NME1; LDHA; FDPS; RELA; C16orf13; FLAD1; PIEZO1; TPM1; RANGAP1; RAD23A; PFDN4; GCLM; ETFA; AKR1B1; NUDCD2; LOC440434; TIPRL; SHBG;
Blocking Peptide	For anti-SORD antibody is
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SORD
Replacement Item	This antibody may replace item sc-127569 from Santa Cruz Biotechnology.
Predicted Homology	Cow: 93%; Dog: 86%; Guinea Pig: 83%; Horse: 93%; Human: 100%; Mouse: 79%; Pig: 93%; Rabbit: 86%; Rat: 93%; Sheep: 79%
Preparation and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Rabbit Anti-SORD antibodyCatalog: AAA201063Formalin Fixed Paraffin Embedded Tissue:
Human Adult LiverObserved Staining: Cytoplasm in hepatocytesPrimary Antibody
Concentration: 1:600Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody
Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

WB (Western Blot)
WB Suggested Anti-SORD AntibodyTitration: 1.0 ug/mlPositive Control: Hela Whole
CellSORD is strongly supported by BioGPS gene expression data to be expressed in Human
HeLa cells

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 NADPH as the cofactor. SORD then oxidizes the sorbitol to fructose using NAD(+) cofactor.
Product Categories/Family for anti-SORD antibody	Polyclonal; Drugs and Drug Metabolism; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	156627571
NCBI GeneID	6652
NCBI Accession #	NP_003095
NCBI GenBank Nucleotide #	NM_003104
UniProt Accession #	Q00796
Molecular Weight	38kDa
NCBI Official Full Name	sorbitol dehydrogenase
NCBI Official Synonym Full Names	sorbitol dehydrogenase
NCBI Official Symbol	SORD
NCBI Official Synonym Symbols	SORD1; HEL-S-95n
NCBI Protein Information	sorbitol dehydrogenase
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.