

ARG63681 anti-Sorbitol Dehydrogenase antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Sorbitol Dehydrogenase
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Sorbitol Dehydrogenase
Species	Human
Immunogen	KIMLKCDPSDQNP
Conjugation	Un-conjugated
Alternate Names	SORD1; L-idoitol 2-dehydrogenase; Sorbitol dehydrogenase; HEL-S-95n; EC 1.1.1.14

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 20322 Mouse](#)

[Swiss-port # Q64442 Mouse](#)

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.[supplied by OMIM, Jul 2010]

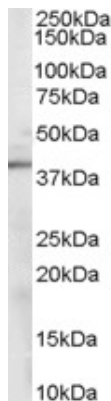
Research Area

Metabolism antibody; Signaling Transduction antibody

Calculated Mw

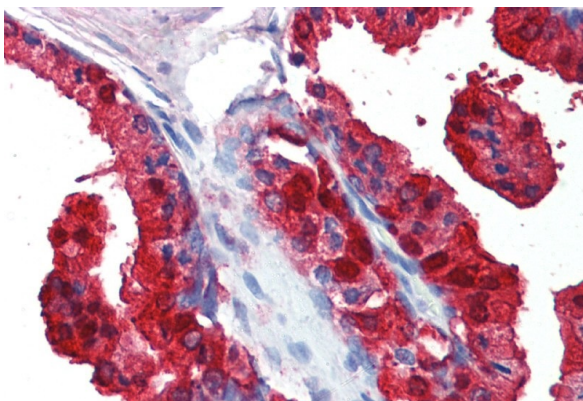
38 kDa

Images



ARG63681 anti-Sorbitol Dehydrogenase antibody WB image

Western Blot: Mouse Kidney lysate (35 µg protein in RIPA buffer) stained with ARG63681 anti-Sorbitol Dehydrogenase antibody at 0.1 µg/ml dilution.



ARG63681 anti-Sorbitol Dehydrogenase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63681 anti-Sorbitol Dehydrogenase antibody at 5 µg/ml dilution followed by AP-staining.