



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06601 - Goat Anti-Sorbitol Dehydrogenase Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** sorbitol dehydrogenase, SORD, SORD1

**Official Symbol:** SORD

**Accession Number(s):** NP\_003095.2

**Human GeneID(s):** [6652](#)

### Immunogen

Peptide with sequence KIMLKCDPSDQNP, from the C Terminus of the protein sequence according to NP\_003095.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx 38kDa band observed in Mouse Kidney lysates (calculated MW of 38.3kDa according to NP\_003095.1). Recommended concentration: 0.1-0.3µg/ml. A minor band of unknown identity was also consistently observed at 48kDa. This band was successfully blocked by incubation with the immunising peptide. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

### Specific Reference

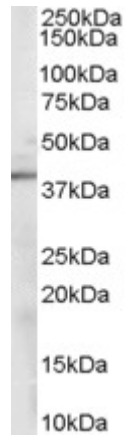
**This antibody has been successfully used in Western blot on Mouse:**

Niimi N, Yako H, Takaku S, Kato H, Matsumoto T, Nishito Y, Watabe K, Ogasawara S, Mizukami H, Yagihashi S, Chung SK, Sango K.

A spontaneously immortalized Schwann cell line from aldose reductase-deficient mice as a useful tool for studying polyol pathway and aldehyde metabolism.

J Neurochem. 2018 Mar;144(6):710-722.

PMID: 29238976



EB06601 (0.1µg/ml) staining of Mouse Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.