

#### **International Office**

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# EB08546 - Goat Anti-Sterol carrier protein 2 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: SCP2, sterol carrier protein 2, DKFZp686C12188, DKFZp686D11188,

NLTP, NSL-TP, SCPX, nonspecific lipid-transfer protein, sterol carrier protein X

Official Symbol: SCP2

Accession Number(s): NP\_001007099.1; NP\_002970.2; NP\_001180528.1;

NP\_001180529.1; NP\_001180546.1

Human GeneID(s): 6342

Non-Human GenelD(s): 20280 (mouse), 25541 (rat)

**Important Comments:** This antibody is expected to recognize isoform 1, 2, 6, 7 and 8 (NP\_002970.2; NP\_001007099.1; NP\_001180529.1; NP\_001180528.1; NP\_001180546.1 respectively),

## **Immunogen**

Peptide with sequence C-KNHKHSVNNPYSQ, from the internal region of the protein sequence according to NP\_001007099.1; NP\_002970.2; NP\_001180528.1; NP\_001180529.1; NP\_001180546.1.

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**

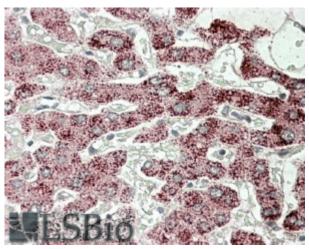
Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Preliminary experiments gave an approx 50kDa band in Human Liver lysates after 0.3μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 59.0kDa according to NP\_001007099.1 and of 6.7kDa according to NP\_002970.2. The 28kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported? **IHC:** In paraffin embedded Human Liver shows speckled cytoplasm staining in hepatocytes. Recommended concentration, 3-6μg/ml.

### **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



 $EB08546~(3.8 \mu g/ml)~staining~of~paraffin~embedded~Human~Liver-.~Steamed~antigen~retrieval~with~citrate~buffer~pH~6,~AP-staining.$