

Goat anti-Sterol carrier protein 2 Antibody

Item Number	dAP-1444
Target Molecule	Principle Name: Sterol carrier protein 2; Official Symbol: SCP2 ; All Names and Symbols: SCP2 ; sterol carrier protein 2; DKFZp686C12188; DKFZp686D11188; NLTP; NSL-TP; SCPX; nonspecific lipid-transfer protein; sterol carrier protein X; Accession Number (s): NP_001007099.1; NP_002970.2; NP_001180528.1; NP_001180529.1; NP_001180546.1; Human Gene ID(s): 6342; Non-Human GeneID(s): 20280 (mouse) 25541 (rat)
Immunogen	KNHKHSVNNPYSQ, is from internal region 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),
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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 59.0
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows speckled cytoplasm staining in hepatocytes. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Atshaves BP, Gallegos AM, McIntosh AL, Kier AB, Schroeder F. Sterol carrier protein-2 selectively alters lipid composition and cholesterol dynamics of caveolae/lipid raft vs nonraft domains in L-cell fibroblast plasma membranes. <i>Biochemistry</i> . 2003 Dec 16;42(49):14583-98.. PMID: 14661971 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**