

Goat anti-CYP7B1 Antibody

Item Number	dAP-0487
Target Molecule	Principle Name: CYP7B1; Official Symbol: CYP7B1; All Names and Symbols: CYP7B1; CP7B; cytochrome P450, family 7, subfamily B, polypeptide 1; oxysterol 7alpha-hydroxylase; cytochrome P450, subfamily VII B (oxysterol 7 alpha-hydroxylase), polypeptide 1; CBAS3; SPG5A; Accession Number (s): NP_004811.1; Human Gene ID(s): 9420; Non-Human GeneID(s):
Immunogen	YPDSDVLFRYKVKS, is from C Terminus
Applications	Pep ELISA, IHC
	Species Tested:
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 128000.
Western Blot	Western Blot: Preliminary experiments in Human Liver, Kidney and Prostate lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported?
IHC	Immunohistochemistry: In paraffin embedded Human Breast shows textured cytoplasm staining in ductal epithelial cells. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Wu Z, Martin KO, Javitt NB, Chiang JY. Structure and functions of human oxysterol 7alpha-hydroxylase cDNAs and gene CYP7B1. J Lipid Res. 1999 Dec;40(12):2195-203.. PMID: 10588945 ->

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**