



Goat anti-CYP3A4 Antibody

Item Number	dAP-0817
Target Molecule	Principle Name: CYP3A4; Official Symbol: CYP3A4; All Names and Symbols: CYP3A4; cytochrome P450, family 3, subfamily A, polypeptide 4 ; HGNC:2637; CP33; CP34; CYP3A; CYP3A3; HLP; NF-25; P450C3; P450PCN1; P450-III, steroid inducible; cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3; cytochrome P450, subfam; Accession Number (s): NP_059488.2; NP_001189784.1; Human Gene ID (s): 1576; Non-Human GeneID(s):
Immunogen	KESRLEDTQKHR, is from internal region This antibody is expected to recognise both reported isoforms (NP_059488.2; NP_001189784.1) and it is not expected to cross-react with 3A5, 3A7 or 3A43.
Applications	Pep ELISA 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 8000.
Western Blot	Western Blot: Preliminary experiments gave an approx 26-27kDa 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 57
IHC	
Reference	Reference(s): Choi MH, Skipper PL, Wishnok JS, Tannenbaum SR. Characterization of testosterone 11 {beta}-hydroxylation catalyzed by human-liver microsomal cytochromes P450. Drug Metab Dispos. 2005 Mar 11; [Epub ahead of print] .PMID: 15764715 ->

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 ender users! This product is sold for **Research Use Only**