

## Goat anti-Cytochrome P450 1A2 (mouse) Antibody

<b>Item Number</b>	dAP-2502
<b>Target Molecule</b>	Principle Name: Cytochrome P450 1A2 (mouse); Official Symbol: Cyp1a2; All Names and Symbols: Cyp1a2; cytochrome P450, family 1, subfamily A, polypeptide 2; CP12; Cyp1a1; P450-3; CYP1A2; aromatic compound inducible; cytochrome P450 1A2; cytochrome P450 family 1 subfamily a polypeptide 1; cytochrome P450, 1a2, aromatic compound inducible; cytochrom; Accession Number (s): NP_034123.1; Human Gene ID(s): ; Non-Human GeneID(s): 13077 (mouse) 24297 (rat)
<b>Immunogen</b>	HSENYKDNGGLIPEEK, is from internal region This antibody is not expected to cross-react to the similar P450 1A1.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 60kDa band observed in Mouse fetal Liver lysates and approx. 55kDa in Human Liver and Lung lysates (calculated MW of 58.4kDa according to Human NP_000752.2 and 58.2kDa according to Mouse NP_034123.1). Recommended concentration: 0.3-1
<b>IHC</b>	
<b>Reference</b>	Reference(s): Sulem P, Gudbjartsson DF, Geller F, Prokopenko I, Feenstra B, Aben KK, Franke B, den Heijer M, Kovacs P, Stumvoll M, Mägi R, Yanek LR, Becker LC, Boyd HA, Stacey SN, Walters GB, Jonasdottir A, Thorleifsson G, Holm H, Gudjonsson SA, Rafnar T, Björnsdottir Sequence variants at CYP1A1-

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**