

## Goat anti-cytochrome P450 1A1 (mouse) Antibody

Item Number	dAP-2524
Target Molecule	Principle Name: cytochrome P450 1A1 (mouse); Official Symbol: cyp1a1; All Names and Symbols: cyp1a1; cytochrome P450, family 1, subfamily A, polypeptide 1; AHH; AHRR; CP11; Cyp1a2; P450-1; CYPIA1; aromatic compound inducible; cytochrome P450 1A1; cytochrome P450 family 1 subfamily a polypeptide 2; cytochrome P450 subfamily I, polypeptide 1; cytoc; Accession Number (s): NP_001129531.1; Human Gene ID(s): ; Non-Human GeneID(s): 13076 (mouse) 24296 (rat)
Immunogen	QDRKLDENANVQLSD, is from internal region This antibody is not expected to cross-react with the similar P450 1A2
Applications	Pep ELISA, WB Species Tested: Human, Rat
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 64000.
Western Blot	Western Blot: Approx 55kDa band observed in Human and Rat Lung lysates (calculated MW of 58.2kDa according to Human NP_000490.1 and 59.4kDa according to Rat NP_036672.). Primary incubation was 1 hour. Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	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, Jónasdóttir A, Thorleifsson G, Holm H, Gudjonsson SA, Rafnar T, Björnsdóttir 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 end users! This product is sold for **Research Use Only**