

Goat anti-Phenylalanine Hydroxylase Antibody

Item Number	dAP-2211
Target Molecule	Principle Name: Phenylalanine Hydroxylase; Official Symbol: PAH; All Names and Symbols: PAH; phenylalanine hydroxylase; PH; PKU; PKU1; Accession Number (s): NP_000268.1; Human Gene ID(s): 5053; Non-Human GenelD(s): 18478 (mouse) 24616 (rat)
Immunogen	ESRPSRLKKDE, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, 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 32000.
Western Blot	Western Blot: Approx 48kDa band observed in Human Liver lysate and approx. 52kDa in Mouse and Rat Liver lysates (calculated MW of 51.9kDa according to NP_000268.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Bonyadi M, Omrani O, Moghanjoghi SM, Shiva S, Mutations of the phenylalanine hydroxylase gene in Iranian Azeri Turkish patients with phenylketonuria. Genetic testing and molecular biomarkers 2010 Apr 14 (2): 233-5.. PMID: 20187763->

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**