

## Goat anti-Phenylalanine Hydroxylase Antibody

|                        |  |
|------------------------|--|
| <b>Item Number</b>     | dAP-2211   |
| <b>Target Molecule</b> | 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 GeneID(s): 18478 (mouse) 24616 (rat)   |
| <b>Immunogen</b>       | ESRPSRLKKDE, is from internal region   |
| <b>Applications</b>    | Pep ELISA, WB, IHC<br>Species Tested: Human, Mouse, Rat  |
| <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.<br>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 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  |
| <b>IHC</b>             | Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 3.75µg/ml.  |
| <b>Reference</b>       | 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 ender users! This product is sold for **Research Use Only**