



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10324 - Goat Anti-Phenylalanine Hydroxylase Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PH, phenylalanine hydroxylase, PKU, PKU1, PAH

**Official Symbol:** PAH

**Accession Number(s):** NP\_000268.1

**Human GeneID(s):** [5053](#)

**Non-Human GeneID(s):** 18478 (mouse), 24616 (rat)

### Immunogen

Peptide with sequence C-ESRPSRLKKDE, from the internal region of the protein sequence according to NP\_000268.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 48kDa band observed in Human Liver lysates and approx.

50-52kDa in Rat Kidney lysates and in preliminary testing of Mouse Liver lysate

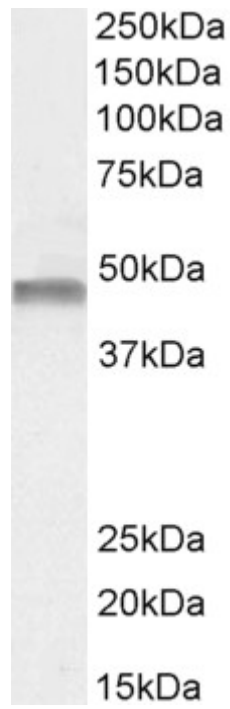
(calculated MW of 51.9kDa according to Hyman NP\_000268.1 and Rat NP\_036751.2).

Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

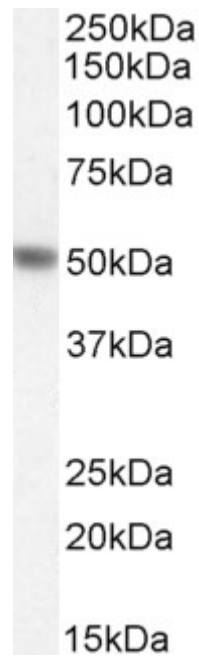
### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB10324 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10324 (0.3µg/ml) staining of Rat Kidney lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.