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

EB07666 - Goat Anti-P4HA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: P4HA1, procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I, 4-PH alpha-1, P4HA, prolyl 4-hydroxylase, alpha I subunit

Official Symbol: P4HA1

Accession Number(s): NP_000908.2; NP_001017962.1

Human GeneID(s): [5033](#)

Non-Human GeneID(s): 18451 (mouse), 64475 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms (NP_000908.2 and NP_001017962.1).

Immunogen

Peptide with sequence C-DFARKDEPDFAKE, from the internal region of the protein sequence according to NP_000908.2; NP_001017962.1.

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 1:32000.

Western blot: Approx 60kDa band observed in lysates of cell lines HEK293 and A431 (calculated MW of 61.0kDa according to NP_000908.2 and NP_001017962.1).

Recommended concentration: 0.1-0.1µg/ml. An additional band of unknown identity was also consistently observed at 48kDa. This band was successfully blocked by incubation with the immunising peptide. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Skin and Spleen. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

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

EB07666 (0.2µg/ml) staining of HEK293 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07666 (5µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07666 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.