



## UK Office

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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 1:128000.

**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 7µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the ER and cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human

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

EB07666 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07666 (7µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB07666 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.