

P4HA1 Antibody

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

CATALOG NO.: 46-124

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

P4HA1 Antibody. This antibody is expected to recognise both reported isoforms (NP_000908.2 and NP_001017962.1).

SOURCE:

P4HA1 antibody was raised against a synthetic peptide of P4HA1.

PROTEIN ACCESSION NUMBER(S) :

NP_000908.2, NP_001017962.1

SPECIES REACTIVITY:

Human, Mouse, Rat, Dog

TESTED APPLICATION:

WB, E

APPLICATION:

Peptide ELISA: antibody detection limit dilution 1:32,000.
Western Blot: Approx 60kDa band observed in lysates of cell lines HEK293, A431 and NIH3T3 (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.

PURIFICATION:

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

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of P4HA1 in HEK293 cell lysate (35µg protein in RIPA buffer) using P4HA1 antibody (0.2µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Annunen P, Helaakoski T, Myllyharju J, Veijola J, Pihlajaniemi T, Kivirikko KI. Cloning of the human prolyl 4-hydroxylase alpha subunit isoform alpha(II) and characterization of the type II enzyme tetramer. The alpha(I) and alpha(II) subunits do not form

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.