



Goat anti-P4HA1 Antibody

Item Number	dAP-1031
Target Molecule	Principle Name: P4HA1; Official Symbol: P4HA1; All Names and Symbols: P4HA1; procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I; 4-PH alpha-1; P4HA ; prolyl 4-hydroxylase, alpha I subunit; Accession Number (s): NP_000908.2; NP_001017962.1; Human Gene ID(s): 5033; Non-Human GeneID(s): 18451 (mouse) 64475 (rat)
Immunogen	DFARKDEPDAFKE, is from internal region This antibody is expected to recognise both reported isoforms (NP_000908.2 and NP_001017962.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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 consistent
IHC	Immunohistochemistry: Paraffin embedded Human Skin and Spleen. Recommended concentration: 5µg/ml.
Reference	Reference(s): 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 a mixed alpha(I)alpha(II)beta2 tetramer. J Biol

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**