

DNAXPAb

Hard-to-Find
Antibody

P4HA1 DNAXPab

Catalog # H00005033-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human P4HA1 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence MWYILIGILLPQSLAHPGFFTSIGQM TDLIHTKDLVTS LKDYKAEEDKLEQIKKWA EKLDRLTSTATKDPEGFVGHPVNAFKLMKRLNTEWSELENLV LKDMSDGFISNLTIQRQYFPNDEDQVGAAKALLRLQDTYNLDDTDISKGNLPGVKHKSFLTAEDCFELGKVAYTEADYYHTELWMEQALRQLDEGEISTIDKVSVDYLSYAVYQQGDLDKALLLTKKLELDPEHQ RANGNLKYFEYMAKEKDVNKSASDDQSDQKTTPKKKGVAVDYLP ERQKYEMLCRGE GIKMTPRRQKKLFCRYHDGNRNPKFILAPAKQED EWDKPRIIRFHDII SDAEIEVKDLAKPRLRRATISNPITGDLETVHYRISKSAWLSGYENPVVSRINMRIQDLTGLDVSTAEELQVANYGVGGQYEPHFD FARKDEPDAFKELGTGNRIATWLFYMSDVSAGGATVFPEVGASVWP KGTAVFWYNLFASGEGDYSTRHAACPVLVGNKWVSNKWLHERGQEFRRPCTLSELE

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — P4HA1

Entrez GeneID [5033](#)

GeneBank Accession# [NM_001017962.1](#)

Protein Accession# [NP_001017962.1](#)

Gene Name P4HA1

Gene Alias P4HA

Gene Description prolyl 4-hydroxylase, alpha polypeptide I

Omim ID [176710](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations C-P4Halpha(I)|collagen prolyl 4-hydroxylase alpha(I)|procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I|prolyl 4-hydroxylase, alpha I subunit

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)

- [Tobacco Use Disorder](#)