

P4HA2 mouse monoclonal antibody (hybridoma)

Catalog # H00008974-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant P4HA2.
Immunogen	P4HA2 (NP_001017973.1, 1 a.a. ~ 533 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAEKELVQSLKEYILVEEAKLSKIKSWANKME ALTSKSAADAEGYLAHPVNAYKLVKRLNTDWPALDVLQDSAAGFIANLSVQRQFFPTDEDEIG AAKALMRLQD TYRLDPGTISRGELPGTKYQAMLSVDDCFGMGRSAYNEGDYYHTVLWMEQVLKQ LDAGEEATTTKSQVLDYLSYAVFQLGDLHRALELTRLLSLDPSHERAGGNLRYFEQLLEEEREK TLTNQTEAELATPEGIYERPVDYLPERDVYESLCRGEGVKLTPRRQKRLFCRYHHGNRAPQLLIAP FKEEDEWDSPHIVRYDVMSDEEIERIKEIAKPKLARATVRDPKTGVLTVASYRVSKSSWLEEDD DPVVARVNRRMQHITGLTVKTAELLQVANYGVGGQYEPHFDFSRRPFD SGLKTEGNRLATFLNYM SDVEAGGATVFPDLGAAIWPKKGTAVFWYNLLRSGEDYRTRHAACPVLVGCKWVSNKWFHER GQEFLRPCGSTEVD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — P4HA2

Entrez GeneID [8974](#)

GeneBank Accession# [NM_001017973.1](#)

Protein Accession# [NP_001017973.1](#)

Gene Name P4HA2

Gene Alias -

Gene Description prolyl 4-hydroxylase, alpha polypeptide II

Omim ID [600608](#)

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 4-PH alpha 2[C-P4Halpha(II)]OTTHUMP00000065966|OTTHUMP00000065967|OTTHUMP00000065968|OTTHUMP00000065969|collagen prolyl 4-hydroxylase alpha(II)|procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II|prolyl 4-hydrox

Pathway

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

Disease

- [Bronchiolitis](#)
- [Crohn Disease](#)

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)