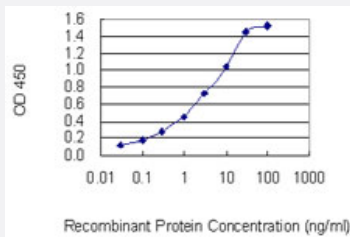


P4HA3 monoclonal antibody (M02), clone 7F10

Catalog # H00283208-M02

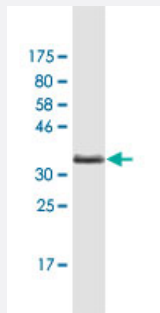
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged P4HA3 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant P4HA3.
Immunogen	P4HA3 (NP_878907.1, 66 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TRFYDKVLSLHEDSTTPVANPLLAFTLIKRLQSDWRNVVHSLEASENIRALKDGYEKVEQDLPAFEDLEGAARALMRLQDVYMLNVKGLARGVFQRVTGS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged P4HA3 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — P4HA3

Entrez GeneID

[283208](#)

GeneBank Accession#

[NM_182904](#)

Protein Accession#

[NP_878907.1](#)

Gene Name

P4HA3

Gene Alias

-

Gene Description

prolyl 4-hydroxylase, alpha polypeptide III

Omim ID

[608987](#)

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 have been observed, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations

C-P4H alpha III|collagen prolyl 4-hydroxylase alpha(III)|procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III|prolyl 4-hydroxylase, alpha III subunit

Pathway

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

Disease

- [Tobacco Use Disorder](#)