



# Mouse anti-Human P4HA2 monoclonal antibody, clone DM0462 (CABT-B9495)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Immunogen</b>          | Recombinant protein corresponding to Human P4HA2   |
| <b>Isotype</b>            | IgG1   |
| <b>Source/Host</b>        | Mouse  |
| <b>Species Reactivity</b> | Human  |
| <b>Clone</b>              | DM0462   |
| <b>Purification</b>       | Protein A  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | IHC, WB  |
| <b>Format</b>             | Liquid   |
| <b>Size</b>               | 100 µl   |
| <b>Buffer</b>             | PBS, pH 7.2, with 40% glycerol   |
| <b>Preservative</b>       | 0.02% sodium azide   |
| <b>Storage</b>            | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |

## BACKGROUND

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| <b>Introduction</b> | 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, Jul 2008]

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| <b>Keywords</b> | P4HA2; prolyl 4-hydroxylase, alpha polypeptide II; prolyl 4-hydroxylase subunit alpha-2; 4-PH alpha 2; 4-PH alpha-2; C-P4Halp $\alpha$ (II); collagen prolyl 4-hydroxylase alpha(II); procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-2; procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II; |
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## GENE INFORMATION

Entrez Gene ID [8974](#)

UniProt ID [Q15460](#)