

Datasheet

P4HA2 mouse monoclonal antibody (hybridoma)

Catalog Number: H00008974-M

Regulation Status: For research use only (RUO)

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:

MKLWVSALLMAWFGVLSCVQAEFFTSIGHMTDLIYAE
KELVQSLKEYILVEEAKLSKIKSWANKMEALTSKSAAD
AEGYLAHPVNAYKLVKRLNTDWPALDVLQDSAAGFI
ANLSVQRQFFPTDEDEIGAALKMRLQDTYRLDPGTIS
RGELPGTKYQAMLSVDDCFGMGRSAYNEGDYYHTVL
WMEQVLKQLDAGEEATTTKSQVLDYLSYAVFQLGDLH
RALELTRRLSLDPSHERAGGNLRYFEQLLEEREKTL
TNQTEAELATPEGIYERPVDYLPERDVYESLCRGEGV
KLTPRRQKRLFCRYHHGNRAPQLLIAPFKEEDEWDSP
HIVRYDVMSDEEIERIKEIAKPKLARATVRDPKTGVL
VASYRVSKSSWLEEDDDPVVARVNRRMQHITGLTVKT
AELLQVANYGVGGQYEPHFDFSRRPFDSGLKTEGSR
LATFLNYMSDVEAGGATVFPDLGAAIWPKKGTAVFWY
NLLRSGEGDYRTRHAACPVLVGCKWVSNKWFHERG
QEFLRPGCGSTEVD

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Entrez GeneID: 8974

Gene Symbol: P4HA2

Gene Alias: -

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]