

# P4HA2 Monoclonal Antibody (CL0351)

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	CL0351
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human P4HA2
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2637214

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	1 Publication
Immunohistochemistry (IHC)	1:200-1:500	-

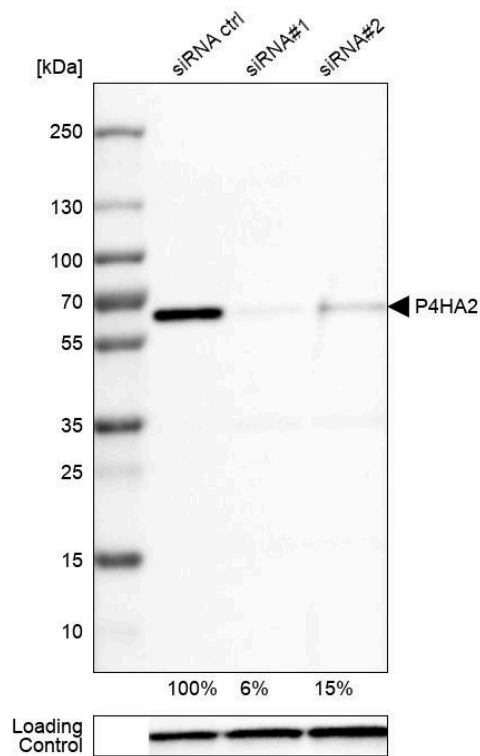
## Product Specific Information

Immunogen sequence: LKEYILVEEA KLSKIKSWAN KMEALTSKSA ADAEGYLAHP VNAYKLVKRL NTDWPALEDL VLQDSAAGFI ANLSVQRQFF PTDEDEIGAA KALMRLQDTY RLDPGTISRG ELPGTKYQAM LSVDDCFGM

Highest antigen sequence identity to the following orthologs: Mouse - 90%, Rat - 91%.

Binds to an epitope located within the peptide sequence NTDWPALEDLVLQDS as determined by overlapping synthetic peptides.

Product Images For P4HA2 Monoclonal Antibody (CL0351)

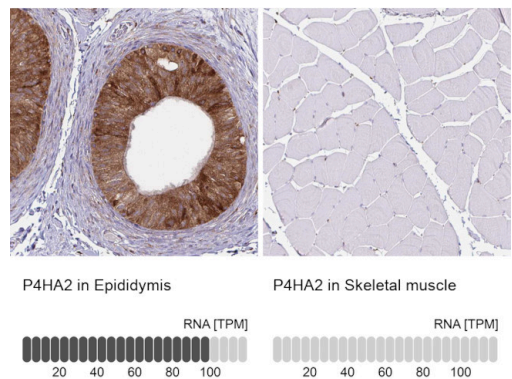


P4HA2 Antibody (MA5-24599)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U-251 mg cells were transfected with, control siRNA, P4HA2 siRNA probe #1, and P4HA2 siRNA probe #2 and a decrease in signal intensity was observed in Western Blot application using Anti-P4HA2 Monoclonal Antibody (CL0351) (Product # MA5-24599) used at a dilution of 1 µg/mL. Anti-GAPDH was used as a loading control. {KD}

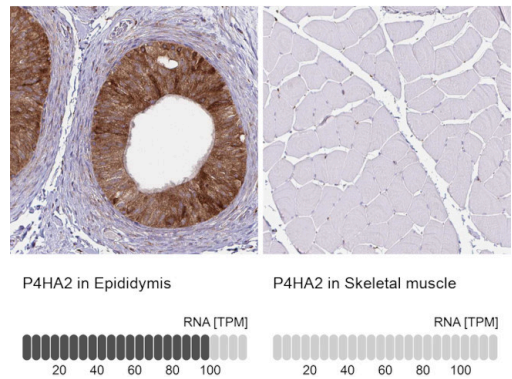
P4HA2 Antibody (MA5-24599) in IHC

Immunohistochemical staining of P4HA2 in human epididymis and skeletal muscle tissues using P4HA2 Monoclonal Antibody (CL0351) (Product # MA5-24599). Corresponding P4HA2 RNA-seq data are presented for the same tissues.



P4HA2 Antibody (MA5-24599)

Relative expression in different tissues in IHC: Detection of differential expression levels of P4HA2 demonstrates antibody specificity. Immunohistochemical analysis of P4HA2 using anti-P4HA2 Monoclonal Antibody (Product # MA5-24599), shows significant staining of P4HA2 in human epididymis and shows minimal or weak staining in human skeletal muscle tissues. The relative expression levels of P4HA2 within each tissue is shown using RNA-Seq. {RE}



1 Reference

Western Blot (1)

Oncogene	Year 2021
Targeting HIF-activated collagen prolyl 4-hydroxylase expression disrupts collagen deposition and blocks primary and metastatic uveal melanoma growth.	Species Human
"MA5-24599 was used in Western Blotting to demonstrate that extracellular collagen matrix formation can be targeted in UM by inhibiting hypoxia-induced P4HA1 and P4HA2 expression, warranting further development of this strategy in patients with uveal melanoma."	
Authors: Kaluz S,Zhang Q,Kuranaga Y,Yang H,Osuka S,Bhattacharya D,Devi NS,Mun J,Wang W,Zhang R,Goodman MM,Grossniklaus HE,Van Meir EG	

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