

Product datasheet for TA809199M

P4HA3 Mouse Monoclonal Antibody [Clone ID: OTI9A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9A2
Applications:	IHC
Recommended Dilution:	IHC 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human P4HA3 (NP_878907) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.3 kDa
Gene Name:	prolyl 4-hydroxylase subunit alpha 3
Database Link:	NP_878907 Entrez Gene 320452 Mouse Entrez Gene 361612 Rat Entrez Gene 283208 Human Q7Z4N8

Background: 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

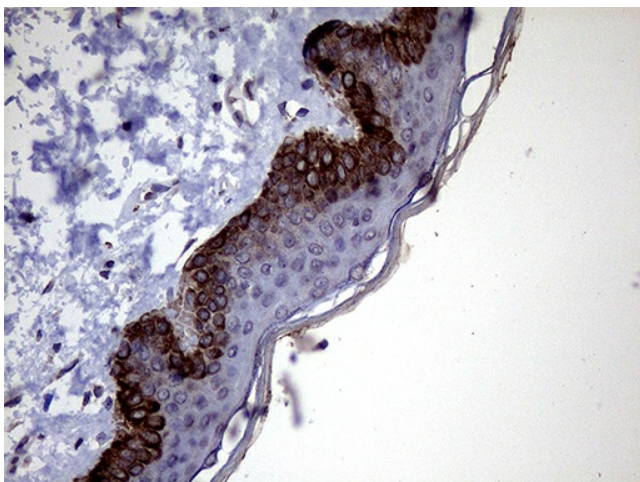

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Synonyms: 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase); alpha III subunit; alpha polypeptide III; C-P4H alpha III; collagen prolyl 4-hydroxylase alpha(III); procollagen-proline; prolyl 4-hydroxylase

Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

Product images:



Immunohistochemical staining of paraffin-embedded Human skin tissue within the normal limits using anti-P4HA3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.