BMA BIOMEDICALS

Monoclonal Antibody to Rat Prolyl 4-Hydroxylase beta

Protein Disulfide Isomerase, Fibroblasts

Collagen prolyl 4-hydroxylases (P4H) play an essential role in the synthesis of all collagens. Two alpha and two beta subunits assemble into P4H tetramers in which protein disulfide isomerase (PDI) acts as the beta subunit. Clone 6-9H6 reacts with the beta subunit of rat P4H specifically found in the skin of newborn rat.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-3132 (Lot 11PO1107)
Clone:	6-9H6
Host species, isotype:	Mouse IgG1κ
Quantity:	100µg
Format:	Affinity purified, lyophilized.
	Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase.
	Stock solution or aliquots thereof: 1 year at -20°C.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in ELISA, Western Blot.
	Approximate working dilution for IHC: Frozen sections: 1µg/ml (1:200) Paraffin sections: 10µg/ml (1:20); pretreatment in microwave with citrate buffer for antigen retrieval is recommended
	Optimal dilutions should be determined by the end user.
	Suggested positive control: Rat skin.
	Please see **www.bma.ch** for protocols and general information.
Protein database:	rat-P04785
Antigen, epitope:	Prolyl-4-Hydrolase beta. The epitope is not further characterized.

Selected references

BAI, Y. et al.: Immunological properties of monoclonal antibodies to human and rat prolyl 4-hydroxylase. J. Biochem. **99**, 1563-70 (1986)

For in vitro research only. This product contains Kathon™ CG as a preservative.

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