



Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com

Monoclonal Antibody to Human Prolyl 4-Hydroxylase beta Protein Disulfide Isomerase, Marker For Fibroblasts

Collagen prolyl 4-hydroxylases (P4Hs) 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 3-2B12 reacts with the beta subunit of human P4H specifically found in fibroblasts.

Product Number:	T-1213
Clone:	3-2B12
Host species, isotype:	Mouse IgG1
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 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in Western Blots. Approximate working dilution for IHC: Frozen sections: 0.25-0.5µg/ml (1:400 - 1:800) Paraffin sections: 4µg/ml (1:50); microwave pretreatment for antigen retrieval is recommended. Optimal dilutions should be determined by the end user. Suggested positive control: Human skin, tonsil.
Antigen, epitope:	not further determined.

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. Caution: this product contains sodium azide, a poisonous and hazardous substance.