

# Immunotag™ P3H2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN3007
Product Description	Immunotag™ P3H2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	P3H2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	P3H2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	LEPREL1 MLAT4 P3H2
Accession No.	Q8IVL5 Q8CG71 Q4KLM6

## Antibody Specification

Description	prolyl 3-hydroxylase 2(P3H2) Homo sapiens This gene encodes a member of the prolyl 3-hydroxylase subfamily of 2-oxo-glutarate-dependent dioxygenases. These enzymes play a critical role in collagen chain assembly, stability and cross-linking by catalyzing post-translational 3-hydroxylation of proline residues. Mutations in this gene are associated with nonsyndromic severe myopia with cataract and vitreoretinal degeneration, and downregulation of this gene may play a role in breast cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],
Protein Expression	Liposarcoma,Lung,Teratocarcinoma,
Subcellular Localization	basement membrane,endoplasmic reticulum,endoplasmic reticulum lumen,Golgi apparatus,
Protein Function	catalytic activity:Procollagen L-proline + 2-oxoglutarate + O(2) = procollagen trans-3-hydroxy-L-proline + succinate + CO(2).,cofactor:Ascorbate.,cofactor:Iron.,function:Has prolyl 3-hydroxylase activity catalyzing the post-translational formation of 3-hydroxyproline in -Xaa-Pro-Gly-sequences in collagens, especially types IV and V.,similarity:Belongs to the leprecan family.,similarity:Contains 1 PKHD (prolyl/lysyl hydroxylase) domain.,similarity:Contains 4 TPR repeats.,tissue specificity:Expressed in heart, placenta, lung, liver, skeletal muscle and kidney. Expression localized to the epithelia of bile ducts and to the sacroplasm of heart muscle and skeletal muscle. In the pancreas, localized to a subpopulation of Langerhans islet cells and in the salivary gland, expressed in acinar cells.,
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