SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Mouse Anti-P4HB antibody

Catalog Number: SLM-60312M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	G5D12
Target:	P4HB
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-1000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-100 IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Rat)
Subcellular Location:	cytoplasmic The cell membrane
Background:	Protein disulfide-isomerase, also known as the beta subunit of prolyl 4-hydroxylase (P4HB), is an enzyme encoded by the P4HB gene. The human P4HB gene is localized to chromosome 17q25. Unlike other prolyl 4-hydroxylase family proteins, this protein is multifunctional and acts as an oxidoreductase involved in the formation, breakage and isomerization of disulfide bonds. The activity of P4HB is tightly regulated. During catalysis, both the dissociation of the dimer and substrate binding may enhance its enzymatic activity.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.