

## P4HB Recombinant Rabbit mAb

Catalog: BS46178

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex. [provided by RefSeq, Jul 2008]

### Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

### Molecular Weight:

57 kDa

### Swiss-Prot:

P07237

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:1000-1:5000  
IHC: 1:200  
ICC/IF: 1:20-1:100  
FC: 1:20-1:100

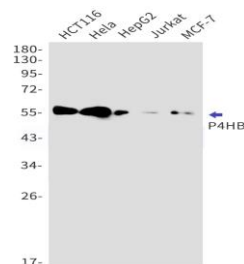
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



Western blot detection of P4HB in HCT116, HeLa, HepG2, Jurkat, MCF-7 cell lysates using P4HB antibody (1:1000 diluted).

### Note:

For research use only, not for use in diagnostic procedure.

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