

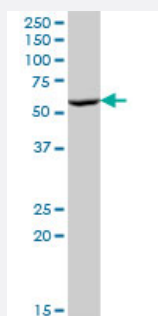
MaxPab®

## P4HB purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005034-B01P

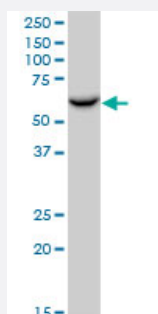
Size 50 ug

### Applications



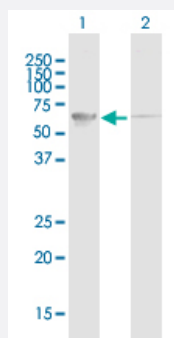
#### Western Blot (Tissue lysate)

P4HB MaxPab polyclonal antibody. Western Blot analysis of P4HB expression in human liver.



#### Western Blot (Cell lysate)

P4HB MaxPab polyclonal antibody. Western Blot analysis of P4HB expression in HeLa.

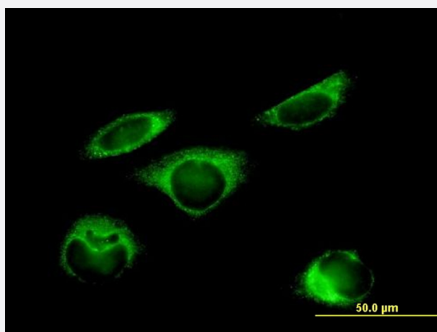


#### Western Blot (Transfected lysate)

Western Blot analysis of P4HB expression in transfected 293T cell line ([H00005034-T01](#)) by P4HB MaxPab polyclonal antibody.

Lane 1: P4HB transfected lysate(55.88 KDa).

Lane 2: Non-transfected lysate.



## Immunofluorescence

Immunofluorescence of purified MaxPab antibody to P4HB on HeLa cell.  
[antibody concentration 10 ug/ml]

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a full-length human P4HB protein.
<b>Immunogen</b>	P4HB (NP_000909.2, 1 a.a. ~ 508 a.a) full-length human protein.
<b>Sequence</b>	MLRRALLCLAVAALVRADAPEEEDHVLVLRKSNFAEALAAHKYLLVEFYAPWCGHCKALAPEYA KAAGKLKAEGSEIRLAKVDATEESDLAQQYGVRGYPTIKFFRNGDTASPKEYTAGREADDIVNWL KKRTGPAATTLPDGAAAESLVESSEVAVIGFFKDVESDSAKQFLQAAEAIDDIPFGITSNSDVFSK YQLDKDGVVLFKKFDEGRNMFEGEVTKENLLDFIKHNQLPLVIEFTEQTAPKIFGGEIKTHILLFLPK SVSDYDGKLSNFKTAAESFKGKILFIFIDSDHTDNQRILEFFGLKKEECPAVRLITLEEEMTKYPES EELTAERITEFCHRFLEGKIKPHLMSQELPEDWDKQPVKVLVGKNFEDVAFDEKKNVFEFYAP WCGHCKQLAPIMDKLGETYKDHENVIAKMDSTANEVEAVKVHSFPTLKFFPASADRTVIDYNGE RTLDGFKKFLESQGGQDGAGDDDDLEDLEEAEEPDMEEEDDDQKAVKDEL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (95)
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Tissue lysate)

P4HB MaxPab polyclonal antibody. Western Blot analysis of P4HB expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

P4HB MaxPab polyclonal antibody. Western Blot analysis of P4HB expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of P4HB expression in transfected 293T cell line ([H00005034-T01](#)) by P4HB MaxPab polyclonal antibody.

Lane 1: P4HB transfected lysate(55.88 KDa).

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to P4HB on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — P4HB

Entrez GeneID [5034](#)

GeneBank Accession# [NM\\_000918.2](#)

Protein Accession# [NP\\_000909.2](#)

Gene Name P4HB

Gene Alias DSI, ERBA2L, GIT, P4Hbeta, PDI, PDIA1, PHDB, PO4DB, PO4HB, PROHB

Gene Description prolyl 4-hydroxylase, beta polypeptide

Omim ID [176790](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** collagen prolyl 4-hydroxylase beta|glutathione-insulin transhydrogenase|procollagen-proline, 2-oxo glutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide|prolyl 4-hydroxylase, beta subunit|protein disulfide isomerase family A, member 1|protein d

## Disease

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- [Diabetes Mellitus](#)
- [Edema](#)