



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## P4HB purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00005034-D01P

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Rabbit polyclonal antibody raised against a full-length human P4HB protein.

**Immunogen:** P4HB (NP\_000909.2, 1 a.a. ~ 508 a.a) full-length human protein.

**Sequence:**  
 MLRRALLCLAVAALVRADAPEEEDHVLVLRKSNFAEALAAHKYLLVEFYA  
 PWCGHCKALAPEYAKAAGKLKAEGSEIRLAKVDATEESDLAQQYGVVRG  
 YPTIKFFRNGDTASPKEYTAGREADDIVNWLKKRTGPAATTLPDGAAAE  
 SLVESSEVAVIGFFKDVESDSAKQFLQAAEAIDDIPFGITNSDVFVSKYQL  
 DKDGVVLFKKFDEGRNFEVETKENLLDFIKHNQLPLVIEFTEQTAPKIF  
 GGEIKTHILLFLPKSVSDYDGKLSNFKTAESFKGKILFIFIDSDHTDNQRIL  
 EFFGLKKEECPAVRLITLEEEMTKYKPESEELTAERITFCRHFLEGGKIKP  
 HLMSQELPEDWDKQPVKVLVGKNFEDVAFDEKKNVFEFYAPWCGHCK  
 QLAPIWDKLGETYKDHENVIKMDSTANEVEAVKVHSFPTLKFFPASADR  
 TVIDYNGERTLDGFKKFLFESGGQDGAGDDDDLEDLEEAEEPDMEEEDDD  
 QKAVKDEL

**Host:** Rabbit

**Reactivity:** Human, Mouse

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**Storage Buffer:** In 1x PBS, pH 7.4

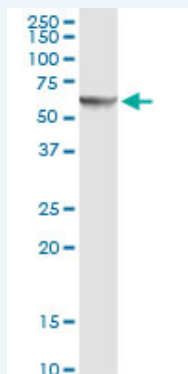
**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

#### Western Blot (Tissue lysate)

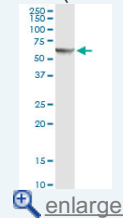


P4HB MaxPab rabbit polyclonal antibody. Western Blot analysis of P4HB expression in human liver.

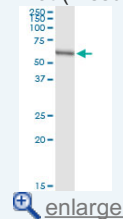
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### Application Image

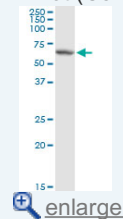
#### Western Blot (Tissue lysate)



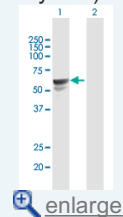
#### Western Blot (Tissue lysate)



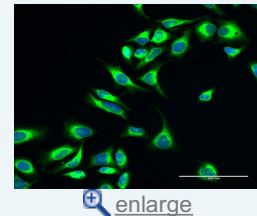
#### Western Blot (Cell lysate)



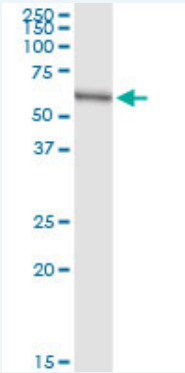
#### Western Blot (Transfected lysate)




#### Immunofluorescence



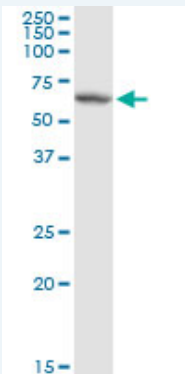
### Western Blot (Tissue lysate)



P4HB MaxPab rabbit polyclonal antibody. Western Blot analysis of P4HB expression in mouse kidney.

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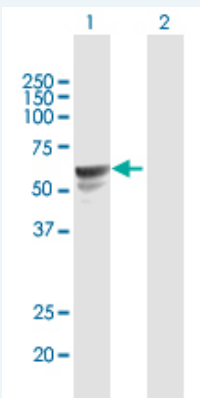
### Western Blot (Cell lysate)



P4HB MaxPab rabbit polyclonal antibody. Western Blot analysis of P4HB expression in Jurkat.

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### Western Blot (Transfected lysate)



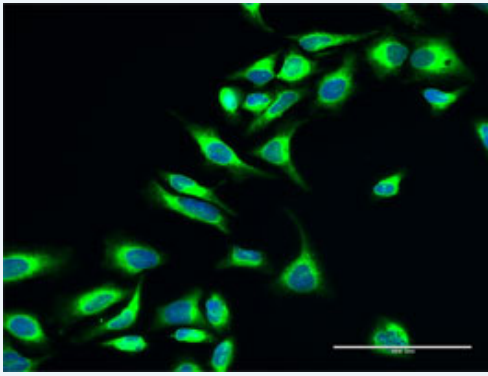
Western Blot analysis of P4HB expression in transfected 293T cell line ([H00005034-T02](#)) by P4HB MaxPab polyclonal antibody.

Lane 1: P4HB transfected lysate(57.10 KDa).

Lane 2: Non-transfected lysate.

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### Immunofluorescence



[enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to P4HB on HeLa cell. [antibody concentration 5 ug/ml]

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## Gene Information

**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-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide,prolyl 4-hydroxylase, beta subunit,protein disulfide isomerase family A, member 1,protein d

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