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## anti-PLG antibody (AA 251-350)



Image



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Quantity:	100 μL
Target:	PLG
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human PLG
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig
Purification:	Purified by Protein A.

## Target Details

Target:	PLG
Alternative Name:	Plasminogen (PLG Products)
Background:	Synonyms: Plasminogen, Angiostatin, DKFZp779M0222, Microplasmin, Plasmin, Plasmin heavy

chain A, PLG, PLMN\_HUMAN.

Background: Plasminogen is a plasma protein synthesised mostly in the liver. Plasma concentration is usually in the range of 70 to 200 mg/l. Plasminogen is activated by tissue plasminogen activator, urokinase and streptokinase, to form plasmin. Activation results from the cleavage and release of the preactivation peptide. Angiostatin, an internal fragment of plasminogen, is a potent inhibitor of angiogenesis, which selectively inhibits endothelial cell proliferation. Angiostatin potently inhibits tumor growth and can maintain metastatic and primary tumors in a dormant state. It is defined by a balance of proliferation and apoptosis of the tumor cells and is composed of plasminogen first four cringle structures. This molecule is generated by proteolytic cleavage of plasminogen.

Gene ID: 5340

UniProt: P00747

Pathways: Complement System, Lipid Metabolism

#### **Application Details**

Application Notes: WB 1:300-5000

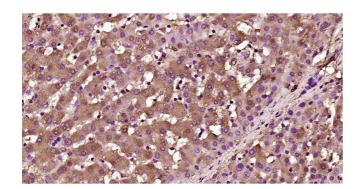
ELISA 1:500-1000

IHC-P 1:200-400

Restrictions: For Research Use only

### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Paraformaldehyde-fixed, paraffin embedded human liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with Plasminogen Polyclonal Antibody, Unconjugated (bs-1828R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) instructions and DAB staining.