



## Rabbit Anti-PDIA6 antibody

SL12597R

<b>Product Name:</b>	PDIA6
<b>Chinese Name:</b>	蛋白二硫异构酶A6抗体
<b>Alias:</b>	Endoplasmic reticulum protein 5; ER protein 5; ERP5; P5; Protein disulfide isomerase A6; Protein disulfide isomerase associated 6; Protein disulfide isomerase family A member 6; Protein disulfide isomerase P5; Protein disulfide isomerase related protein; Thioredoxin domain containing 7 (protein disulfide isomerase); Thioredoxin domain containing protein 7; TXNDC7.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	48kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PDIA6:151-250/440
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Protein disulfide isomerase (PDIA6) ia an enzyme belonging to the protein disulfide isomerase family. Structurally, it contains 2 thioredoxin domains and its function is to catalyze the rearrangement of -S-S- bonds in proteins.

**Function:**

May function as a chaperone that inhibits aggregation of misfolded proteins. Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.

**Subunit:**

Part of a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. Interacts with MICA on the surface of tumor cells, leading to MICA disulfide bond reduction which is required for its release from tumor cells. Interacts with ITGB3 following platelet stimulation.

**Subcellular Location:**

Endoplasmic reticulum.

**Tissue Specificity:**

Expressed in platelets (at protein level).

**Similarity:**

Belongs to the protein disulfide isomerase family.  
Contains 2 thioredoxin domains.

**SWISS:**

Q15084

**Gene ID:**

10130

**Database links:**

[Entrez Gene: 10130](#) Human

[Entrez Gene: 71853](#) Mouse

[Entrez Gene: 286906](#) Rat

[Omim: 611099](#) Human

[SwissProt: Q15084](#) Human

[SwissProt: Q922R8](#) Mouse

[SwissProt: Q63081](#) Rat

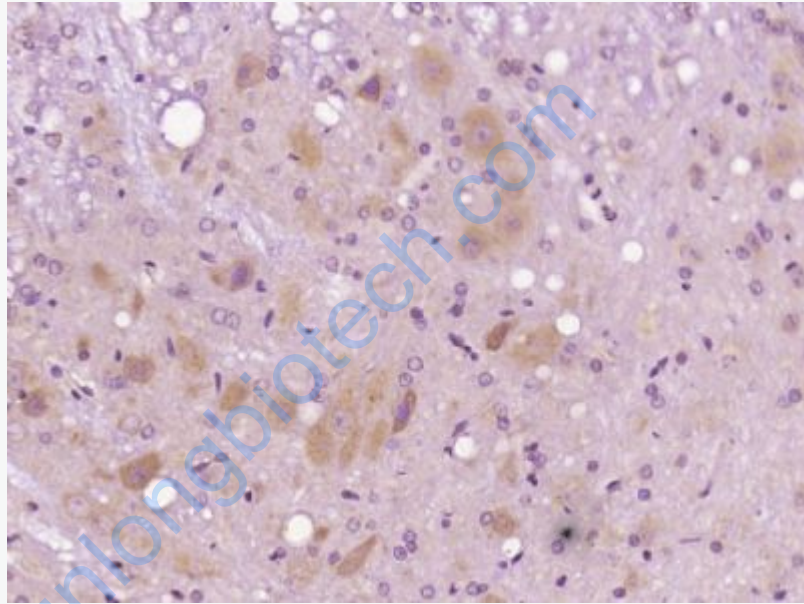
[Unigene: 212102](#) Human

[Unigene: 222825](#) Mouse

[Unigene: 2685](#) Rat

**Important Note:**

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



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (PDIA6) Polyclonal Antibody, Unconjugated (SL12597R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.