




## Rabbit Anti-Cytoglobin antibody

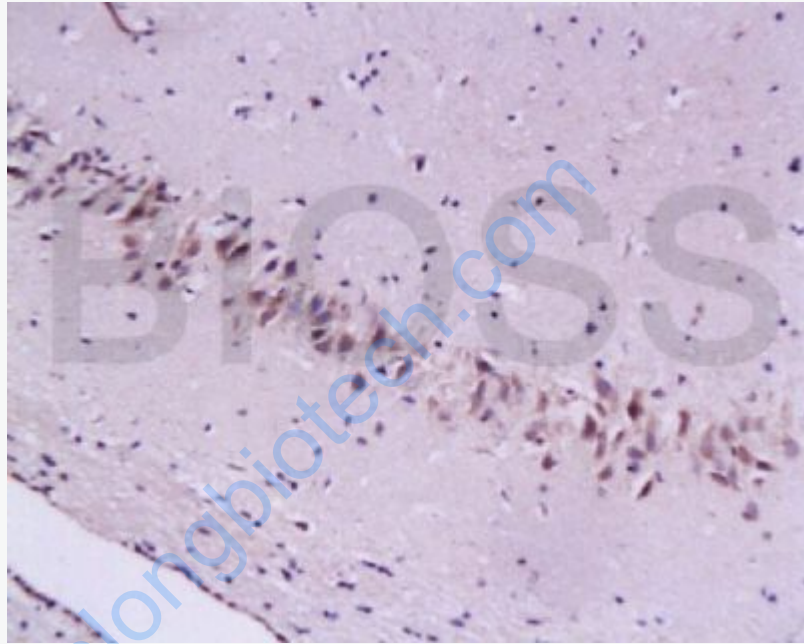
SL0590R

<b>Product Name:</b>	Cytoglobin
<b>Chinese Name:</b>	细胞球蛋白抗体
<b>Alias:</b>	cytoglobin; CYGB; HGB; STAP; Cytoglobin; Histoglobin; HGb; cell activation-associated protein; CYGB_HUMAN.
<b>文献引用</b>  :	<b>Specific References(1)</b>  SL0590R has been referenced in 1 publications. <b>[IF=3.33]</b> Xu, Hong-Wu, et al. "The expression of cytoglobin as a prognostic factor in gliomas: a retrospective analysis of 88 patients." BMC cancer 13.1 (2013): 247. <b>IHC-P;Human.</b> <a href="#">PubMed:23688241</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	21kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human cytoglobin:87-132/190
<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>	<p>Cygb is a ubiquitously expressed hexacoordinate hemoglobin that may facilitate diffusion of oxygen through tissues, scavenge nitric oxide or other reactive oxygen species, or serve a protective function during oxidative stress.</p> <p><b>Function:</b> May have a protective function during conditions of oxidative stress. May be involved in intracellular oxygen storage or transfer.</p> <p><b>Subunit:</b> Homodimer; disulfide-linked.</p> <p><b>Subcellular Location:</b> Cytoplasm.</p> <p><b>Tissue Specificity:</b> Ubiquitously expressed. Highest expression in heart, stomach, bladder and small intestine.</p> <p><b>Similarity:</b> Belongs to the globin family.</p> <p><b>SWISS:</b> Q8WWM9</p> <p><b>Gene ID:</b> 114757</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 609341</a>Dog</p> <p><a href="#">Entrez Gene: 114757</a>Human</p> <p><a href="#">Entrez Gene: 114886</a>Mouse</p> <p><a href="#">Entrez Gene: 170520</a>Rat</p> <p><a href="#">Omim: 608759</a>Human</p> <p><a href="#">SwissProt: Q8WWM9</a>Human</p> <p><a href="#">SwissProt: Q9CX80</a>Mouse</p> <p><a href="#">SwissProt: Q921A4</a>Rat</p> <p><b>Important Note:</b></p>

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

细胞球蛋白Cygb是最近发现的脊椎动物球蛋白超家族的一员,在体内分布广泛。有学者认为: Cygb的确切功能尚不十分清楚,目前主要有携氧与储氧、氧感受器、活性氧基团和NO的清道夫、NADH氧化酶或过氧化氢酶样作用和参与胶原形成等假说。



Picture:

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Cygb Polyclonal Antibody, Unconjugated(SL0590R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining