SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-Cytoglobin/AF594 Conjugated antibody

Catalog Number: SL0590R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Cytoglobin/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human cytoglobin
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Cow,Horse)
Background:	background: 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. **Function:** May have a protective function during conditions of oxidative stress. May be involved in intracellular oxygen storage or transfer. **Subunit:** Homodimer; disulfide-linked. **Subcellular Location:** Cytoplasm. **Tissue Specificity:** Ubiquitously expressed. Highest expression in heart, stomach, bladder and small intestine. **Similarity:** Belongs to the globin family. **Database links:** **Entrez Gene:** 609341 Dog **Entrez Gene:** 114757 Human **Entrez Gene:** 114886 Mouse

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

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	Entrez Gene: 170520 Rat Omim: 608759 Human **SwissProt:** Q8WWM9 Human **SwissProt:** Q9CX80 Mouse **SwissProt:** Q921A4 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Cytoglobin Cygb is a recently discovered member of the vertebrate globin superfamily,It is widely distributed in the body。 Some scholars believe that the exact function of Cygb is not yet fully clear,At present, the main hypotheses include oxygen carrying and storage, oxygen sensor, scavenger of reactive oxygen species and NO, NADH oxidase or catalase-like effects, and participation in collagen formation.