

Rabbit anti-Human Cytoglobin Polyclonal Antibody

Anti-Cytoglobin Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258917	Rabbit	Human	Immunoprecipitation, ELISA, Immunohistochemistry, Western Blot

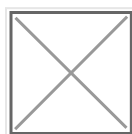
PRODUCT SYNONYMS

Cytoglobin; Polyclonal Antibody; Anti-Cytoglobin Antibody; Rabbit Polyclonal; cytoglobin; Anti-HGB Antibody; Anti-STAP Antibody; anti-Cytoglobin antibody

PRODUCT SPECIFICATIONS

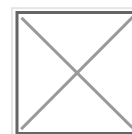
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cytoglobin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Cytoglobin antibody	IP (Immunoprecipitation), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human Cytoglobin Protein
Preparation	Produced in rabbits immunized with purified, recombinant Human Cytoglobin (rh Cytoglobin). Cytoglobin specific IgG was purified by Human Cytoglobin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



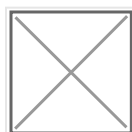
IP (Immunoprecipitation)

CYGB was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-CYGB rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CYGB rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa. Observed band size: 28 kDa.



IHC (Immunohistochemistry)

Immunohistochemical staining of human CYGB in cynomolgus heart with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-CYGB rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: Mouse heart tissue lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa. Observed band size: 27 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Cytoglobin antibody	Cytoglobin, also known as CYGB, is aglobinmolecule ubiquitously expressed in all tissues and most notably utilized in marine mammals. Its avtual function is still unknown. It is thought to be a method of protection under conditions offhypoxia. The predicted function of cytoglobin is the transfer of oxygen from arterial blood to the brain. Cytoglobin is also present in chondroblasts and osteoblasts and shows a decreased level of expression upon differentiation to chondrocytes and osteocytes. Cytoglobin may facilitate diffusion of oxygen through tissues, scavengenitric oxideor reactive oxygen species, or serve a protective function duringoxidative stress.
References	Burmester T. et al., 2002, Mol Biol Evol. 19 (4): 416-21. Trent JT. et al., 2002, J Biol Chem. 277 (22): 19538-45. Kawada N. et al., 2001, J Biol Chem. 276 (27): 25318-23. Schmidt M. et al., 2004, J Biol Chem. 279 (9): 8063-9.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cytoglobin-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/258917>