

## ARG43083 anti-Cytoglobin antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Cytoglobin
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cytoglobin
Species	Human
Immunogen	Recombinant protein corresponding to M1-P190 of Human Cytoglobin.
Conjugation	Un-conjugated
Alternate Names	STAP; Cytoglobin; HGB; Stellate cell activation-associated protein; Histoglobin; HGB

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat and Mouse small intestine	
Observed Size	~ 21 kDa	

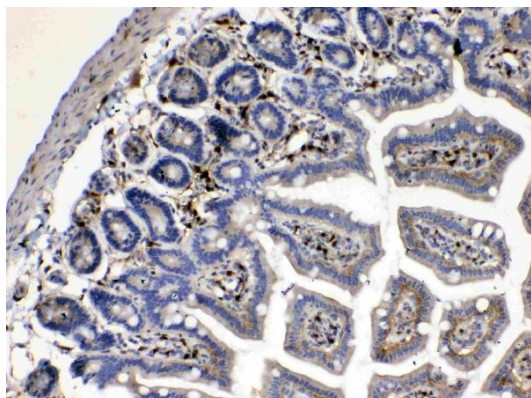
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

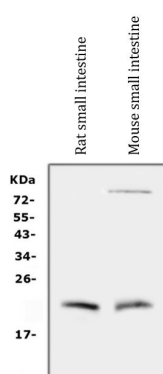
Gene Symbol	CYGB
Gene Full Name	cytoglobin
Background	This gene encodes a globin protein found in vertebrate cells. The encoded protein is described as a hexacoordinate hemoglobin which binds ligand differently from the pentacoordinate hemoglobins involved in oxygen transport, and may be involved in protection during oxidative stress. This gene is located on chromosome 17 in the same region as a retinal gene which is mutated in progressive rod-cone degeneration, but in the opposite orientation. [provided by RefSeq, Jan 2012]
Function	May have a protective function during conditions of oxidative stress. May be involved in intracellular oxygen storage or transfer. [UniProt]
Calculated Mw	21 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



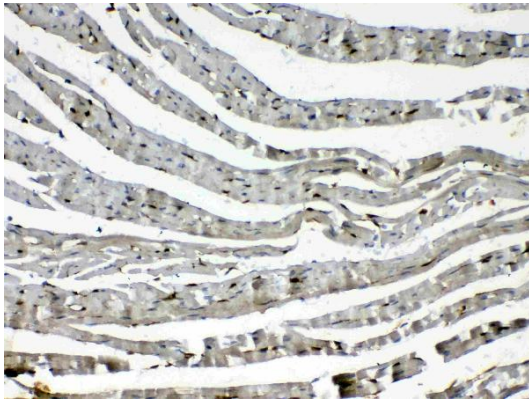
ARG43083 anti-Cytoglobin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43083 anti-Cytoglobin antibody at 1 µg/ml dilution, overnight at 4°C.



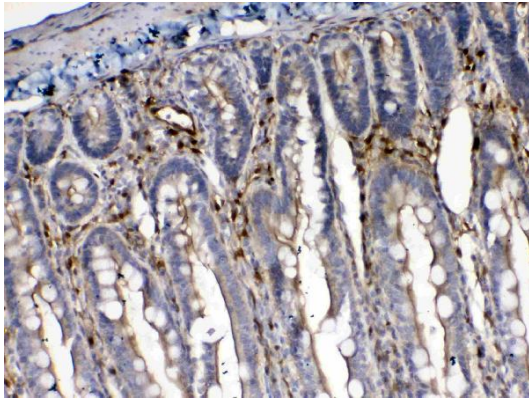
ARG43083 anti-Cytoglobin antibody WB image

Western blot: 50 µg of sample under reducing conditions. Rat small intestine and Mouse small intestine lysates stained with ARG43083 anti-Cytoglobin antibody at 0.5 µg/ml dilution, overnight at 4°C.



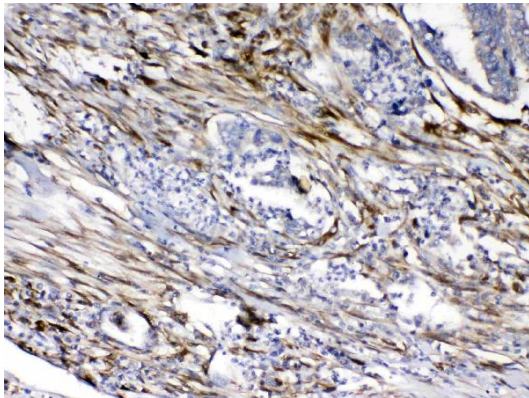
**ARG43083 anti-Cytoglobin antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Mouse cardiac muscle tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43083 anti-Cytoglobin antibody at 1 µg/ml dilution, overnight at 4°C.



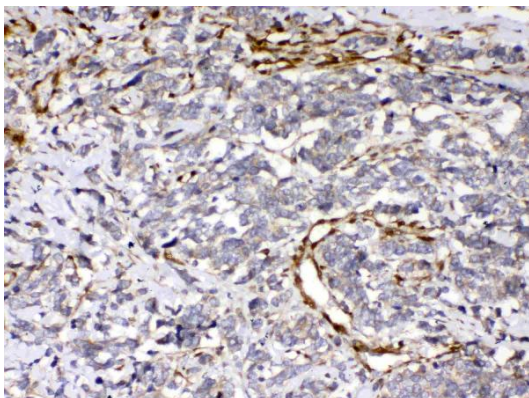
**ARG43083 anti-Cytoglobin antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Rat intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43083 anti-Cytoglobin antibody at 1 µg/ml dilution, overnight at 4°C.



**ARG43083 anti-Cytoglobin antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43083 anti-Cytoglobin antibody at 1 µg/ml dilution, overnight at 4°C.



**ARG43083 anti-Cytoglobin antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43083 anti-Cytoglobin antibody at 1 µg/ml dilution, overnight at 4°C.