

**ARG58464**  
**anti-Cytochrome b5 antibody**Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Cytochrome b5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cytochrome b5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-100 of Human Cytochrome b5 (NP_683725.1).
Conjugation	Un-conjugated
Alternate Names	Microsomal cytochrome b5 type A; MCB5; Cytochrome b5; CYB5

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT29	
Observed Size	17 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

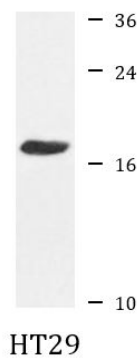
## Bioinformation

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Gene Symbol	CYB5A
Gene Full Name	cytochrome b5 type A (microsomal)
Background	The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Function	Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. [UniProt]
Calculated Mw	15 kDa
Cellular Localization	Endoplasmic reticulum membrane, Single-pass membrane protein, Cytoplasmic side, Microsome membrane, Cytoplasm. [UniProt]

## Images

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ARG58464 anti-Cytochrome b5 antibody WB image

Western blot: 25 µg of HT29 cell lysate stained with ARG58464 anti-Cytochrome b5 antibody at 1:1000 dilution.