

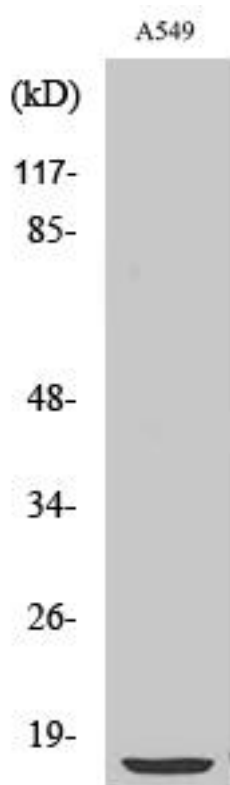


Cytochrome b5 Monoclonal Antibody

Catalog No	YP-mAb-00365
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CYB5A
Protein Name	Cytochrome b5
Immunogen	The antiserum was produced against synthesized peptide derived from human CYB5. AA range:61-110
Specificity	Cytochrome b5 Monoclonal Antibody detects endogenous levels of Cytochrome b5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYB5A; CYB5; Cytochrome b5; Microsomal cytochrome b5 type A; MCB5
Observed Band	15kD
Cell Pathway	[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side. Microsome membrane; Single-pass membrane protein; Cytoplasmic side.; [Isoform 2]: Cytoplasm.
Tissue Specificity	Erythrocyte,Liver,Spleen,Uterus,
Function	disease:Defects in CYB5A are the cause of type IV hereditary methemoglobinemia [MIM:250790].,function:Cytochrome b5 is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases.,similarity:Belongs to the cytochrome b5 family.,similarity:Contains 1 cytochrome b5 heme-binding domain.,
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],
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using
Cytochrome b5 Monoclonal Antibody