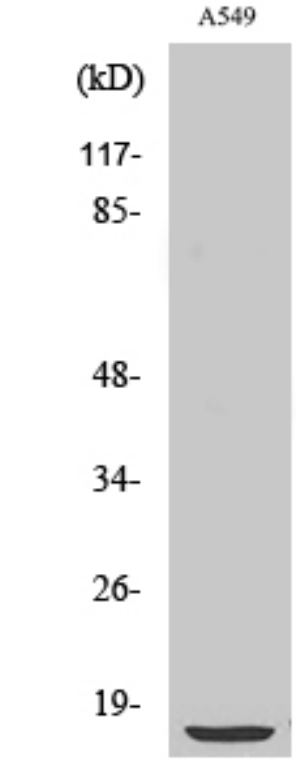
Cytochrome b5 Polyclonal Antibody

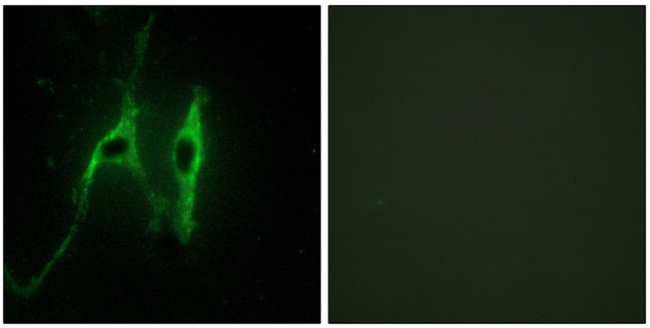
Catalog No	BYab-00365
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CYB5A
Protein Name	Cytochrome b5
Immunogen	The antiserum was produced against synthesized peptide derived from human CYB5. AA range:61-110
Specificity	Cytochrome b5 Polyclonal Antibody detects endogenous levels of Cytochrome b5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
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.

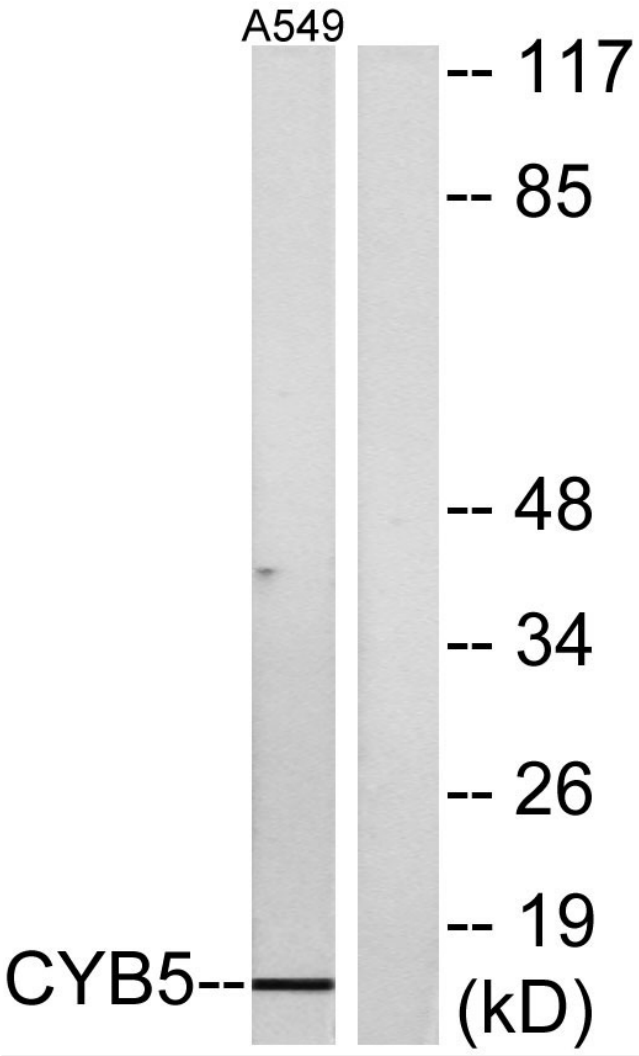
Products Images



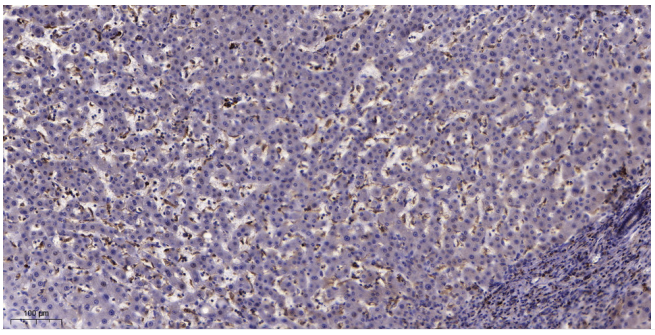
Western Blot analysis of various cells using Cytochrome b5 Polyclonal Antibody



Immunofluorescence analysis of NIH/3T3 cells, using CYB5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from A549 cells, using CYB5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).