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Cytochrome b5 Polyclonal Antibody

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 CYBS. 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 BIc: 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 CYBSA; CYBS; Cytochrome b5; Microsomal cytochrome b5 type A; MCB5 Observed Band 15kD Cell Pathway [Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side: "Ikorosome an embrane; Single-pass membrane protein; Cytoplasmic side: "Ikorosome as neebtron carrier for several memane bound hemoprotein Whinch function as an electron		
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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 SpecificityErythrocyte,Liver,Spleen,Uterus,Functiondisease: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.,BackgroundThe 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	Synonyms	CYB5A; CYB5; Cytochrome b5; Microsomal cytochrome b5 type A; MCB5
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	Background	reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is



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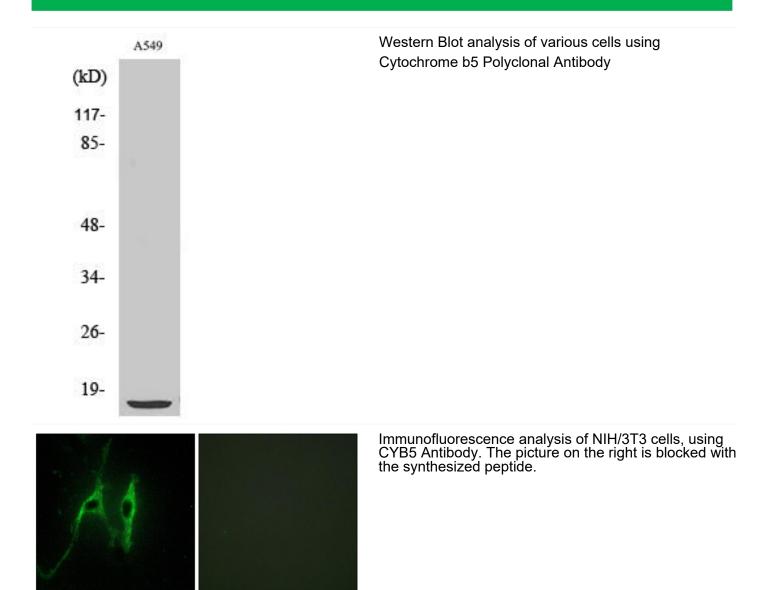
matters needing attention

Usage suggestions

Avoid repeated freezing and thawing!

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

Products Images





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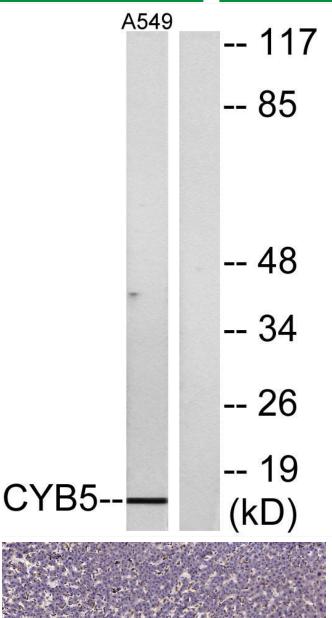
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Western blot analysis of lysates from A549 cells, using

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).