



# Cytochrome b5 rabbit pAb

Cat No.:ES2121

For research use only

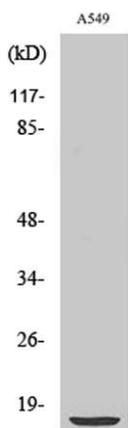
## Overview

<b>Product Name</b>	Cytochrome b5 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	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.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CYB5. AA range:61-110
<b>Specificity</b>	Cytochrome b5 Polyclonal Antibody detects endogenous levels of Cytochrome b5 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cytochrome b5
<b>Gene Name</b>	CYB5A
<b>Cellular localization</b>	[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side. Microsome membrane; Single-pass membrane protein; Cytoplasmic side.; [Isoform 2]: Cytoplasm.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	15kD
<b>Human Gene ID</b>	1528
<b>Human Swiss-Prot Number</b>	P00167
<b>Alternative Names</b>	CYB5A; CYB5; Cytochrome b5; Microsomal cytochrome b5 type A; MCB5
<b>Background</b>	The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric



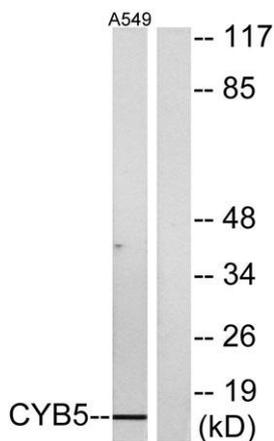
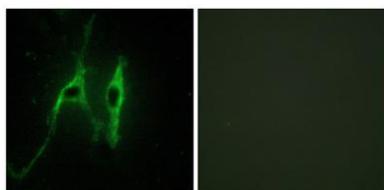


hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010],



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.

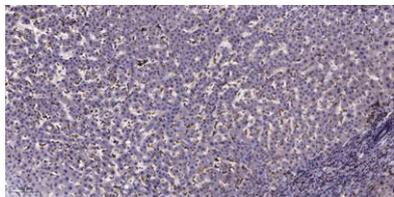


Western blot analysis of lysates from A549 cells, using CYB5 Antibody. The lane on the right is blocked with the synthesized peptide.





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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).



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