

Anti-Cytochrome b5B Antibody

Catalog # AP53946

Product Information

Application	WB, IF/IC
Primary Accession	O43169
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16695

Additional Information

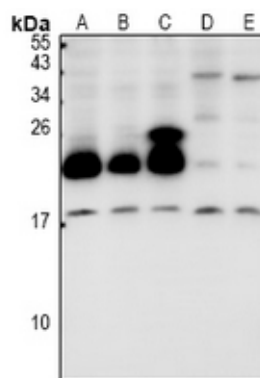
Gene ID	80777
Other Names	CYB5M; OMB5; Cytochrome b5 type B; Cytochrome b5 outer mitochondrial membrane isoform
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome b5B. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

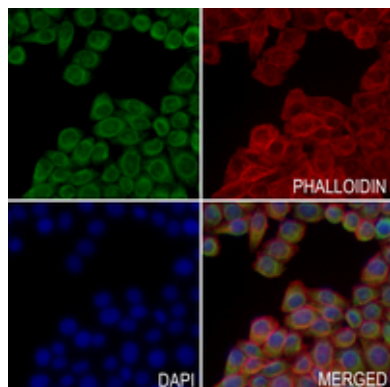
Name	CYB5B
Synonyms	CYB5M, OMB5
Function	Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for several membrane-bound oxygenases.
Cellular Location	Mitochondrion outer membrane {ECO:0000250 UniProtKB:P04166}

Images

Western blot analysis of Cytochrome b5B expression in HCT116 (A), LO2 (B), HepG2 (C), AML12 (D), PC12 (E) whole cell lysates. (Predicted band size: 16 kD; Observed



band size: 16; 23 kD)



Immunofluorescent analysis of Cytochrome b5B staining in ECA109 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.