

Anti-Cytochrome b5A Antibody

Catalog # AP51138

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P00167
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15330

Additional Information

Gene ID	1528
Other Names	CYB5; Cytochrome b5; Microsomal cytochrome b5 type A; MCB5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytochrome b5A. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 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	CYB5A
Synonyms	CYB5
Function	Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for several membrane-bound oxygenases.
Cellular Location	[Isoform 1]: Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side. Microsome membrane; Single-pass membrane protein; Cytoplasmic side

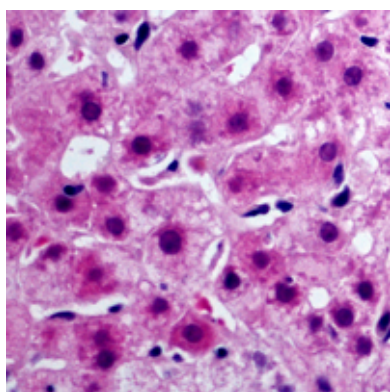
References

Yoo M.,et al.Biochem. Biophys. Res. Commun. 156:576-580(1988).
Giordano S.J.,et al.Biochem. Biophys. Res. Commun. 178:38-44(1991).
Li X.R.,et al.Biochem. Biophys. Res. Commun. 209:894-900(1995).

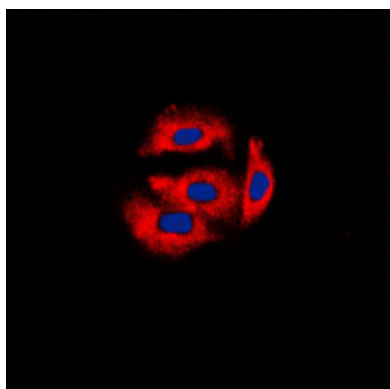
Images



Western blot analysis of Cytochrome b5A expression in HepG2 (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Immunohistochemical analysis of Cytochrome b5A staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. AEC was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Cytochrome b5A staining in HeLa 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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