CBR4 Polyclonal Antibody

Catalog No. E-AB-63190

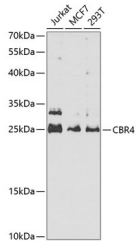
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Rat
Immunogen	Recombinant fusion protein of human CBR4
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Applications	Recommended Dilution
WB	1:200-1:2000

Data



Western blot analysis of extracts of various cell lines using CBR4 Polyclonal Antibody at 1:1000 dilution.

Observed Mw:25kDa

Calculated Mw:18kDa/25kDa

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

Background

Component of the heterotetramer complex KAR (3-ketoacyl-[acyl carrier protein] reductase or 3-ketoacyl-[ACP] reductase that forms part of the mitochondrial fatty acid synthase (mtFAS. Beta-subunit of the KAR heterotetramer complex, responsible for the 3-ketoacyl-ACP reductase activity of the mtFAS, reduces 3-oxoacyl-[ACP] to (3R-hydroxyacyl-[ACP] in a NADPH-dependent manner with no chain length preference, thereby participating in mitochondrial fatty acid biosynthesis. The homotetramer has NADPH-dependent quinone reductase activity (in vitro, hence could play a role in protection against cytotoxicity of exogenous quinones. As a heterotetramer, it can also reduce 9,10-phenanthrenequinone, 1,4-benzoquinone and various other o-quinones and p-quinones (in vitro.

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