

Datasheet for ABIN6138015
anti-CBR4 antibody (AA 1-237)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CBR4
Binding Specificity:	AA 1-237
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBR4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-237 of human CBR4 (NP_116172.2).
Sequence:	MDKVCAVFGG SRGIGRAVAQ LMARKGYRLA VIARNLEGAK AAAGDLGGDH LAFSCDVAKE HDVQNTFEEL EKHLGRVNFL VNAAGINRDG LLVRTKTEDM VSQLHTNLLG SMLTCKAAMR TMIQQQGGSI VNVGSIVGLK GNSGQSVYSA SKGGLVGFSSR ALAKEVARKK IRVNWVAPGF VHTDMTKDLK EEHLKKNIPL GRFGETIEVA HAVVFLLESP YITGHVLVVD GGLQLIL
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

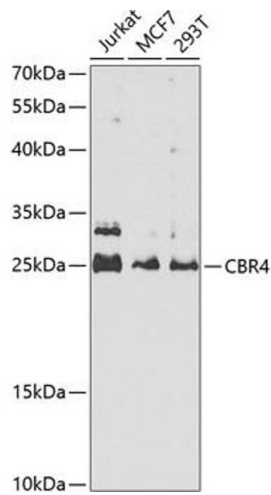
Target:	CBR4
Alternative Name:	CBR4 (CBR4 Products)
Background:	Component of the heterotetramer complex KAR (3-ketoacyl-[acyl carrier protein] reductase or 3-ketoacyl-[ACP] reductase that forms part of the mitochondrial fatty acid synthase (mtFAS. Beta-subunit of the KAR heterotetramer complex, responsible 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.,CBR4,SDR45C1,Cancer,Signal Transduction,Endocrine & Metabolism,CBR4
Molecular Weight:	18 kDa/25 kDa
Gene ID:	84869
UniProt:	Q8N4T8

Application Details

Application Notes:	WB,1:200 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CBR4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.