

Mouse anti-Human CBR1 Monoclonal Antibody | anti-CBR1 antibody

CBR1 Antibody

CATALOG # AAA290422	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

CBR1; Monoclonal Antibody; CBR1 Antibody; Purified Mouse Monoclonal Antibody (Mab); 15 hydroxyprostaglandin dehydrogenase [NADP⁺]; 15-hydroxyprostaglandin dehydrogenase [NADP⁺]; Carbonyl reductase [NADPH] 1; CBR 1; CBR1_HUMAN; CRN; NADPH dependent carbonyl reductase 1; NADPH-dependent carbonyl reductase 1; Prostaglandin 9 ketoreductase; Prostaglandin 9-ketoreductase; Prostaglandin E(2) 9 reductase; Prostaglandin-E(2) 9-reductase; SDR21C1.; anti-CBR1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in PBS(pH 7.4)containing with 0.2% sodium azide,50% glycerol.
Sequence Length	173
Applicable Applications for anti-CBR1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry stain of Hela using CBR1 mouse mAb (1:100).



WB (Western Blot)

Western blot detection of CBR1 in Hela,A431 and MDA-MB-468 cell lysates using CBR1 mouse mAb (1:1000 diluted).Predicted band size:30KDa,Observed band size:30KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CBR1 antibody	NADPH-dependent reductase with broad substrate specificity. Catalyzes the reduction of a wide variety of carbonyl compounds including quinones, prostaglandins, menadione, plus various xenobiotics. Catalyzes the reduction of the antitumor anthracyclines doxorubicin and daunorubicin to the cardiotoxic compounds doxorubicinol and daunorubicinol. Can convert prostaglandin E2 to prostaglandin F2-alpha. Can bind glutathione, which explains its higher affinity for glutathione-conjugated substrates. Catalyzes the reduction of S-nitrosoglutathione.
Product Categories/Family for anti-CBR1 antibody	Cell Biology; Metabolism; Signal transduction

References	Wermuth B.,et al.J. Biol. Chem. 263:16185-16188(1988). Forrest G.L.,et al.Biochim. Biophys. Acta 1048:149-155(1990). Forrest G.L.,et al.Mol. Pharmacol. 40:502-507(1991). Watanabe K.,et al.Genomics 52:95-100(1998). Terada T.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	557948119
NCBI GeneID	873
NCBI Accession #	NP_001273718.1
NCBI GenBank Nucleotide #	NM_001286789.1
UniProt Accession #	P16152; Q3LHW8; B2RBZ7; B4DFK7
Molecular Weight	30375
NCBI Official Full Name	carbonyl reductase
NCBI Official Synonym Full Names	carbonyl reductase 1
NCBI Official Symbol	CBR1
NCBI Official Synonym Symbols	CBR; hCBR1; SDR21C1
NCBI Protein Information	carbonyl reductase [NADPH] 1
UniProt Protein Name	Carbonyl reductase [NADPH] 1
UniProt Gene Name	CBR1
UniProt Synonym Gene Names	CBR; CRN; SDR21C1
UniProt Entry Name	CBR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.