

Mouse anti-Human CBR3 Monoclonal Antibody | anti-CBR3 antibody

CBR3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48242	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

CBR3; Monoclonal Antibody; CBR3 antibody; Carbonyl reductase 3; NADPH-dependent carbonyl reductase; Carbonyl reductase (NADPH) 3; EC 1.1.1.184; hCBR3; Carbonyl reductase (NADPH) 3 EC 1.1.1.184; NADPH dependent carbonyl reductase 3; SDR21C2; Short chain dehydrogenase/reductase family 21C member 2.; anti-CBR3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT7E8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CBR3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CBR3 (1-277aa) purified from E. coli
Clone Note	Anti-human CBR3 mAb, clone AT7E8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CBR3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CBR3 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CBR3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CBR3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: HeLa cell lysate Lane 3.: 293T cell lysate Lane 4.: MCF7 cell lysate Lane 5.: A549 cell lysate Lane 6.: SW480 cell lysate Lane 7.: Mouse brain tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CBR3 antibody	Carbonyl reductase 3 (CBR3) is one of several monomeric NADPH-dependent oxidoreductases. This protein catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. It also contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. Some studies suggest that it mediates 9-cis-retinoic acid-induced cytostasis and is a potential prognostic marker for oral malignancy.
Product Categories/Family for anti-CBR3 antibody	Signal Transduction; Metabolism
References	Ohkura-Hada S., et al. (2008). Open Dent J. 2: 78-88. ; Miura T., et al. (2009). Life Sci. 85 (7-8): 303-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502601
NCBI GeneID	874
NCBI Accession #	NP_001227
NCBI GenBank Nucleotide #	NM_001236.3
UniProt Accession #	O75828; Q6FHP2
Molecular Weight	30,850 Da
NCBI Official Full Name	carbonyl reductase
NCBI Official Synonym Full Names	carbonyl reductase 3
NCBI Official Symbol	CBR3
NCBI Official Synonym Symbols	hCBR3; SDR21C2; HEL-S-25
NCBI Protein Information	carbonyl reductase [NADPH] 3
UniProt Protein Name	Carbonyl reductase [NADPH] 3
UniProt Gene Name	CBR3

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cbr3-antibody-clone-at7e8-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48242>