Product information

Monoclonal anti-human CBR3 antibody (clone AT7E8)

Mouse IgG_1, κ

Cat. No. IBATGA0126

Immunogen: Recombinant human CBR3 (1-277aa) purified from *E. coli*

NCBI Accession No.: NP_001227

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: 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.

Description: 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 cytostatis and is a potential prognostic marker for oral malignancy.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, Flow cytometry, ICC/IF

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

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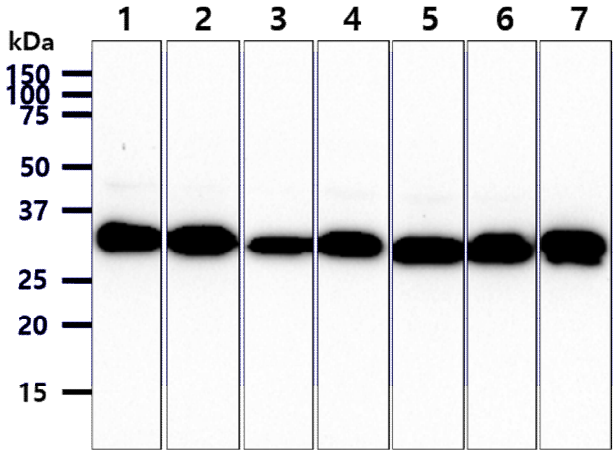
Western blot analysis

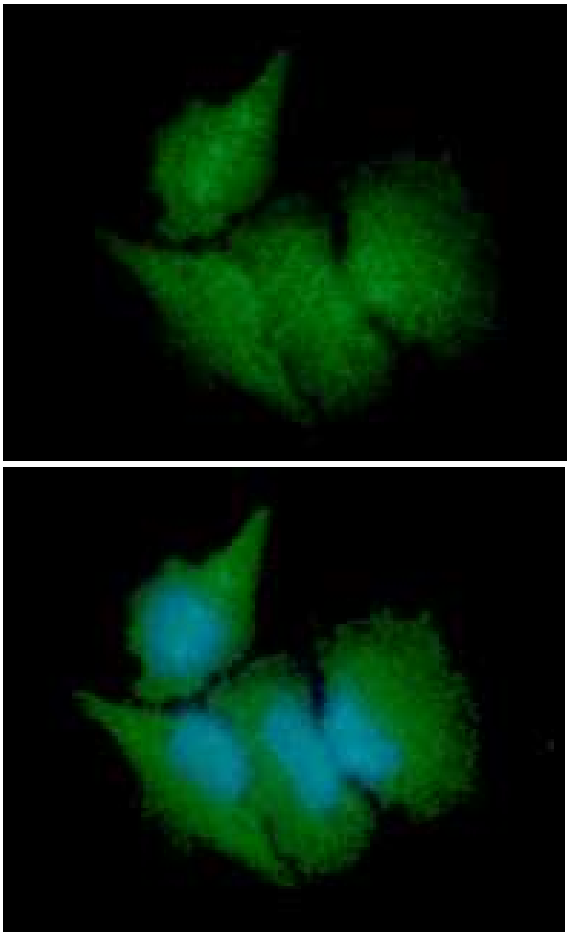
The lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CBR3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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

ICC/IF analysis

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).



For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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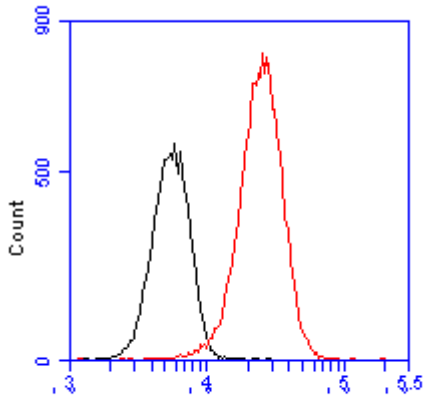
Flow cytometry

Flow cytometry analysis of CBR3 in HeLa cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-CBR3

General 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.

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