# BioVision

For research use only

Anti-CBR1 Antibody (2C9-B12-C4)

CATALOG NO: A1325-100

AMOUNT: 100 µg

ALTERNATIVE NAMES: Carbonyl reductase [NADPH] 1, 15-hydroxyprostaglandin dehydrogenase [NADP(+)], NADPH-dependent carbonyl reductase 1, Prostaglandin 9-ketoreductase, Prostaglandin-E(2) 9-reductase, Short chain dehydrogenase/reductase family 21C member 1

CLONALITY: Monoclonal

CLONE: 2C9-B12-C4

Host/ISOTYPE: Mouse IgG1

IMMUNOGEN: Recombinant human CBR1 protein fragments expressed in *E.coli*

MOLECULAR WEIGHT: 30 kDa

SPECIES REACTIVITY: Human

SPECIFICITY: This antibody detects endogenous levels of CBR1 and does not cross-react with related proteins.

PURIFICATION: Affinity purified

FORM: Liquid

FORMULATION: Purified mouse monoclonal in buffer in PBS (pH 7.4) containing with 0.2% sodium azide, 50% glycerol

STORAGE CONDITIONS: For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

DESCRIPTION: 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.

APPLICATION: WB; 1:1000
IF; 1:100

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.
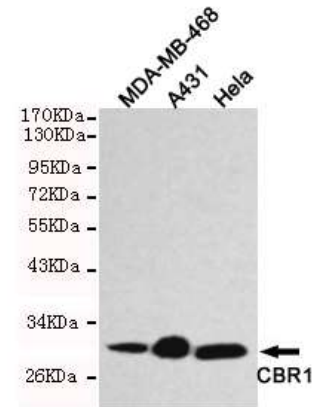
Western blot detection of CBR1 in HeLa, A431 and MDA-MB-468 cell lysates using CBR1 Antibody
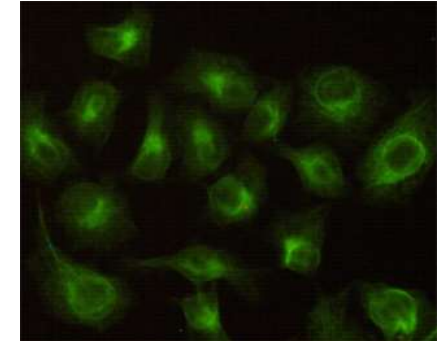
Immunocytochemistry stain of HeLa using CBR1 Antibody

RELATED PRODUCTS:

- Anti-Cathepsin H Antibody **(Cat. No. A1250)**
- Anti-IDH3 gamma Antibody **(Cat. No. A1225)**
- Anti-GPT/ALT1 Antibody **(Cat. No. A1271)**
- Anti-NAMPT Antibody (14A5) **(Cat. No. A1301)**

FOR RESEARCH USE ONLY! Not to be used on humans.

Gentaur