

CBR1 monoclonal antibody

Catalog: MB0121

Host: Mouse

Reactivity: Human

BackGround:

Carbonyl reductase is one of several monomeric, NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds. This enzyme is widely distributed in human tissues. Another carbonyl reductase gene, CRB3, lies close to this gene on chromosome 21q. 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:

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

Molecular Weight:

Predicted band size: 30KDa

Observed band size: 30KDa

Swiss-Prot:

P16152

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

ICC: 1:100

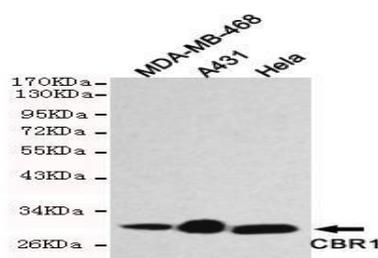
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

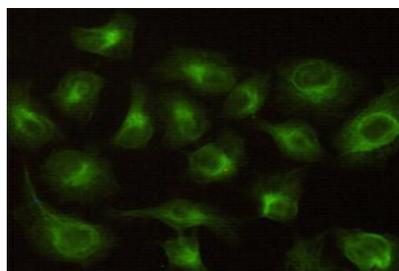
Specificity:

CBR1 mAb detects endogenous levels of CBR1 protein.

DATA:



Western blot detection of CBR1 in HeLa, A431 & MDA-MB-468 cell lysates using CBR1 antibody (1:1000 diluted).



Immunocytochemistry stain of HeLa using CBR1 antibody (1:100).

Note:

For research use only, not for use in diagnostic procedure.

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