

CBR1 Rabbit mAb
Catalog # AP78502**Specification**

CBR1 Rabbit mAb - Product Information

Application	WB
Primary Accession	P16152
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	30375

CBR1 Rabbit mAb - Additional Information

Gene ID 873

Other Names

CBR1

Dilution

WB~~1/500-1/1000

Format

Liquid

CBR1 Rabbit mAb - Protein InformationName CBR1 ([HGNC:1548](#))

Synonyms CBR, CRN, SDR21C1

Function

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 (PubMed: 15799708, PubMed: 17344335, PubMed: 17912391, PubMed: 18449627, PubMed: 18826943, PubMed: 1921984, PubMed: 7005231). Can convert prostaglandin E to prostaglandin F2-alpha (By similarity). Can bind glutathione, which explains its higher affinity for glutathione- conjugated substrates. Catalyzes the reduction of S-nitrosoglutathione (PubMed: 17344335, PubMed: 18826943). In addition, participates in the glucocorticoid metabolism by

catalyzing the NADPH-dependent cortisol/corticosterone into 20beta-dihydrocortisol (20b-DHF) or 20beta-corticosterone (20b-DHB), which are weak agonists of NR3C1 and NR3C2 in adipose tissue (PubMed:28878267).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in kidney (at protein level).

CBR1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CBR1 Rabbit mAb - Images

