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Anti-CBR / CBR1 Antibody (aa181-230)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17955

Product Information

Application	WB, IHC-P, E
Primary Accession	P16152
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30375

Additional Information

Gene ID	873
Alias Symbol	CBR1
Other Names	CBR1, Carbonyl reductase 1, Carbonyl reductase (NADPH) 1, HCBR1, Prostaglandin 9-ketoreductase, SDR21C1, Carbonyl reductase [NADPH] 1, CBR, CRN, Prostaglandin-E(2) 9-reductase
Target/Specificity	CBR1 Antibody detects endogenous levels of total CBR1 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CBR / CBR1 Antibody (aa181-230) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.