

Anti-CBR / CBR1 Antibody (aa181-230)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17955**Specification**

Anti-CBR / CBR1 Antibody (aa181-230) - Product Information

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

Anti-CBR / CBR1 Antibody (aa181-230) - 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.

Anti-CBR / CBR1 Antibody (aa181-230) - 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:18449627, PubMed:15799708, PubMed:17912391, PubMed:<a

[7005231](http://www.uniprot.org/citations/7005231), PubMed: [1921984](http://www.uniprot.org/citations/1921984), PubMed: [17344335](http://www.uniprot.org/citations/17344335), PubMed: [18826943](http://www.uniprot.org/citations/18826943)). 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: [18826943](http://www.uniprot.org/citations/18826943) target="_blank">18826943, PubMed: [17344335](http://www.uniprot.org/citations/17344335) target="_blank">17344335). 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](http://www.uniprot.org/citations/28878267) target="_blank">28878267).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in kidney (at protein level).

Anti-CBR / CBR1 Antibody (aa181-230) - 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](#)

Anti-CBR / CBR1 Antibody (aa181-230) - Images