Rabbit anti-Human Carbonyl Reductase 1/CBR1 Polyclonal Antibody | anti-CBR1 antibody

Rabbit anti-Carbonyl Reductase 1/CBR1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212928	**Rabbit**	**Human**	**Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

Carbonyl Reductase 1/CBR1; Polyclonal Antibody; Rabbit anti-Carbonyl Reductase 1/CBR1 Antibody; Affinity Purified; NADPH-dependent carbonyl reductase 1; hCBR1; short chain dehydrogenase/reductase family 21C member 1; SDR21C1; prostaglandin 9-ketoreductase; CBR; 15-hydroxyprostaglandin dehydrogenase; carbonyl reductase [NADPH] 1; carbonyl reductase (NADPH) 1; 15-hydroxyprostaglandin dehydrogenase [NADP(+)]; prostaglandin-E(2) 9-reductase; epididymis secretory sperm binding protein; Carbonyl reductase [NADPH] 1; carbonyl reductase 1; anti-CBR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CBR1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 227 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human Carbonyl Reductase 1/CBR1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Carbonyl Reductase 1/CBR1 antibody AAA212928 (lot AAA212928-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

IP (Immunoprecipitation)
Detection of human Carbonyl Reductase 1/CBR1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Carbonyl Reductase 1/CBR1 antibody AAA212928 (lot AAA212928-1) used for IP at 6 ug per reaction. Carbonyl Reductase 1/CBR1 was also immunoprecipitated by rabbit anti-Carbonyl Reductase 1/CBR1 antibody For blotting immunoprecipitated Carbonyl Reductase 1/CBR1, AAA212928 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.

ADDITIONAL INFORMATION

Related Product Information for anti-CBR1 antibody	Carbonyl Reductase 1 /CBR1 is an NADPH-dependent reductase with broad substrate specificity. It catalyzes the reduction of a wide variety of carbonyl compounds including quinones, prostaglandins, menadione, plus various xenobiotics. It also catalyzes the reduction of the antitumor anthracyclines doxorubicin and daunorubicin to the cardiotoxic compounds doxorubicinol and daunorubicinol. Carbonyl Reductase 1 /CBR1 can convert prostaglandin E2 to prostaglandin F2-alpha [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P16152].
Product Categories/Family for anti-CBR1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502599
NCBI GeneID	873
NCBI Accession #	NP_001748.1
NCBI GenBank Nucleotide #	NM_001757.2
UniProt Accession #	P16152; Q3LHW8; B2RBZ7
Molecular Weight	30,375 Da
NCBI Official Full Name	carbonyl reductase
NCBI Official Synonym Full Names	carbonyl reductase 1
NCBI Official Symbol	CBR1
NCBI Official Synonym Symbols	CBR; hCBR1; SDR21C1
NCBI Protein Information	carbonyl reductase [NADPH] 1; carbonyl reductase [NADPH] 1; carbonyl reductase (NADPH) 1; prostaglandin 9-ketoreductase; prostaglandin-E(2) 9-reductase; NADPH-dependent carbonyl reductase 1; 15-hydroxyprostaglandin dehydrogenase; short chain dehydrogenase
UniProt Protein Name	Carbonyl reductase [NADPH] 1
UniProt Gene Name	**CBR1**
UniProt Synonym Gene Names	CBR; CRN
UniProt Entry Name	CBR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/carbonyl-reductase-1-cbr1-antibody-immunoprecipitation-western-blot-elisa/212928