

CBR1 Antibody

Catalog No: #34544

Package Size: #34544-1 50ul #34544-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

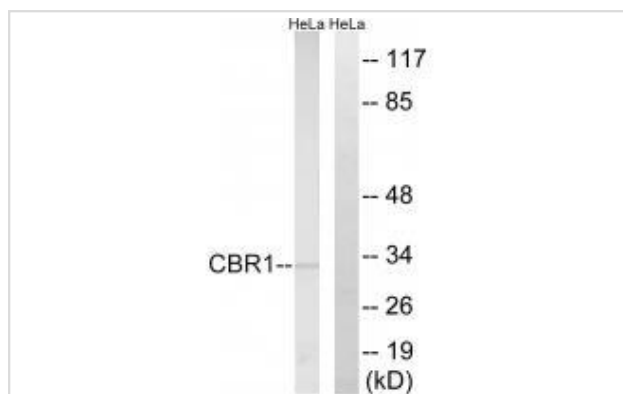
Product Name	CBR1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CBR1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CBR1.
Target Name	CBR1
Other Names	15-hydroxyprostaglandin dehydrogenase [NADP+]; 2; 9-reductase; carbonyl reductase (NADPH); carbonyl reductase (NADPH) 1
Accession No.	Swiss-Prot: P16152NCBI Gene ID: 873
Uniprot	P16152
GeneID	873;
SDS-PAGE MW	32kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

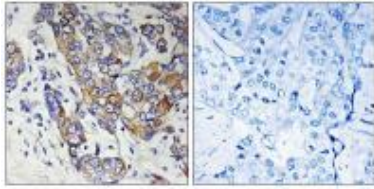
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HeLa cells, using CBR1 antibody #34544.

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CBR1 antibody #34544.



Background

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.

Wermuth B., J. Biol. Chem. 263:16185-16188(1988).

Forrest G.L., Biochim. Biophys. Acta 1048:149-155(1990).

Forrest G.L., Mol. Pharmacol. 40:502-507(1991).

Note: This product is for in vitro research use only