

**Carbonyl Reductase 1 rabbit pAb****Cat#: orb770744 (Manual)**

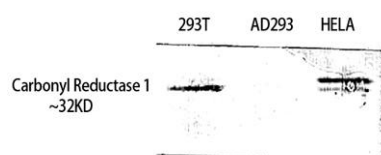
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Carbonyl Reductase 1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CBR1. AA range:181-230
<b>Specificity</b>	Carbonyl Reductase 1 Polyclonal Antibody detects endogenous levels of Carbonyl Reductase 1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Carbonyl reductase [NADPH] 1
<b>Gene Name</b>	CBR1
<b>Cellular localization</b>	Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

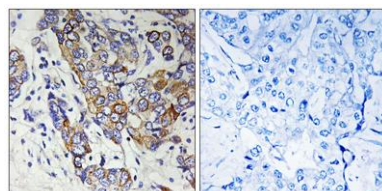
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	32kD
<b>Human Gene ID</b>	873
<b>Human Swiss-Prot Number</b>	P16152
<b>Alternative Names</b>	CBR1; CBR; CRN; Carbonyl reductase [NADPH] 1; 15-hydroxyprostaglandin dehydrogenase [NADP(+)]; NADPH-dependent carbonyl reductase 1; Prostaglandin 9-ketoreductase; Prostaglandin-E(2) 9-reductase

### Background

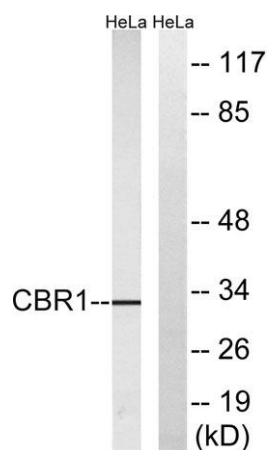
The protein encoded by this gene belongs to the short-chain dehydrogenases/reductases (SDR) family, which function as NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds, such as quinones, prostaglandins, and various xenobiotics. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2013],



**Western Blot analysis of 293T HELA using Carbonyl Reductase 1 Polyclonal Antibody. Antibody was diluted at 1:1000**



**Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CBR1 Antibody. The picture on the right is blocked with the synthesized peptide.**



Western blot analysis of lysates from HeLa cells, using CBR1 Antibody. The lane on the right is blocked with the synthesized peptide.