

产品名称: Carbonyl Reductase 1 Rabbit Polyclonal Antibody
产品货号: AP Rab07921

产品概述 (Summary)

产品名称 (Production Name)	Carbonyl Reductase 1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CBR1 CBR1; CBR; CRN; Carbonyl reductase [NADPH] 1; 15-hydroxyprostaglandin dehydrogenase [NADP(+)]; NADPH-dependent carbonyl reductase 1; Prostaglandin 9-ketoreductase; Prostaglandin-E(2) 9-reductase
别名 (Alternative Names)	
基因 ID (Gene ID)	873.0
蛋白 ID (SwissProt ID)	P16152.The antiserum was produced against synthesized peptide derived from human CBR1. AA range:181-230

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	32kDa

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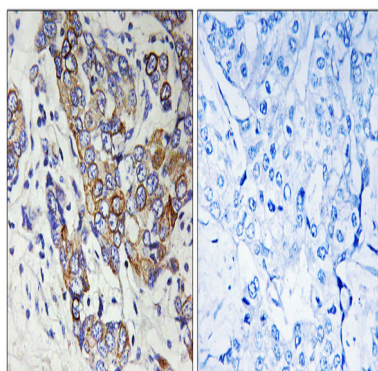
研究背景 (Background)

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], catalytic activity: (13E)-(15S)-11- α ,15-dihydroxy-9-oxoprost-13-enoate + NADP(+) = (13E)-11- α -hydroxy-9,15-dioxoprost-13-enoate + NADPH., catalytic activity: (5Z,13E)-(15S)-9- α ,11- α ,15-trihydroxyprosta-5,13-dienoate + NADP(+) = (5Z,13E)-(15S)-11- α ,15-dihydroxy-9-oxoprost-5,13-dienoate + NADPH., catalytic activity: R-CHOH-R' + NADP(+) = R-CO-R' + NADPH., function: Catalyzes the reduction of a wide variety of carbonyl compounds including the antitumor anthracycline antibiotics. Can convert prostaglandin E2 to prostaglandin F2- α ., similarity: Belongs to the short-chain dehydrogenases/reductases (SDR) family., subunit: Monomer.,

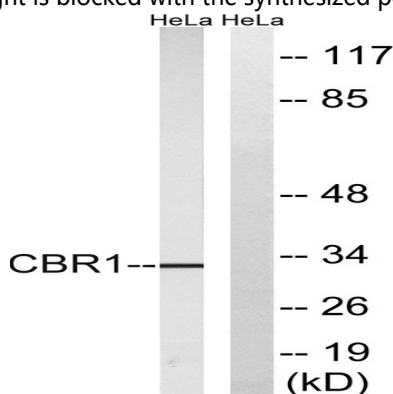
研究领域 (Research Area)

Arachidonic acid metabolism;

图片 (Image Data)



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

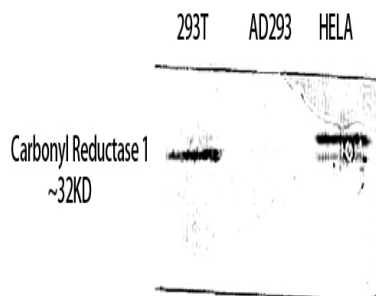


Western blot analysis of lysates from HeLa cells, using CBR1 Antibody. The lane on the right is blocked with the synthesized

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peptide.



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

注意事项 (Note)

For research use only .