

## CBR1 mouse mAb

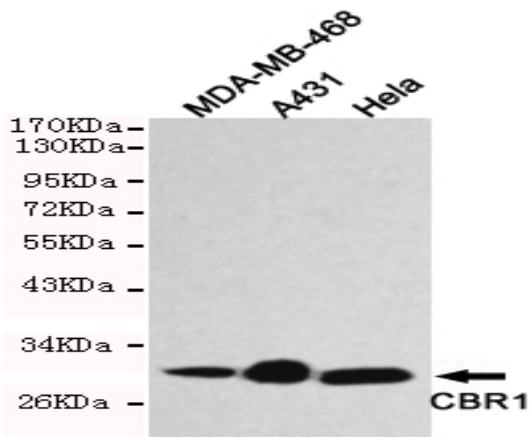
<b>Catalog No :</b>	YM1342
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ICC
<b>Target :</b>	CBR1
<b>Fields :</b>	>>Arachidonic acid metabolism;>>Folate biosynthesis;>>Metabolism of xenobiotics by cytochrome P450;>>Metabolic pathways;>>Chemical carcinogenesis - DNA adducts;>>Chemical carcinogenesis - reactive oxygen species
<b>Gene Name :</b>	cbr1
<b>Human Gene Id :</b>	873
<b>Human Swiss Prot No :</b>	P16152
<b>Mouse Swiss Prot No :</b>	P48758
<b>Immunogen :</b>	Purified recombinant human CBR1 protein fragments expressed in E.coli
<b>Specificity :</b>	This antibody detects endogenous levels of CBR1 and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb 1:1000 icc 1:100
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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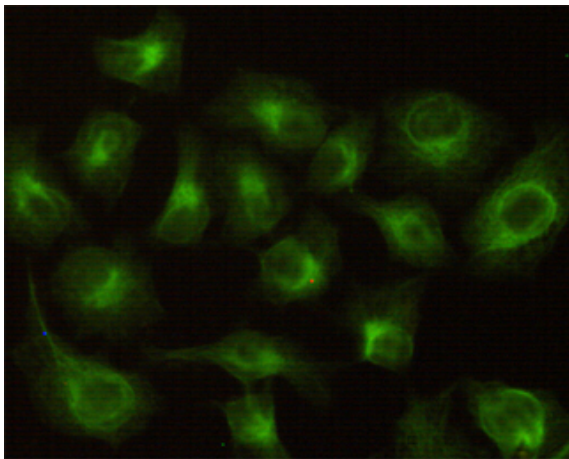
<b>Observed Band :</b>	30kD
<b>Cell Pathway :</b>	Arachidonic acid metabolism;
<b>Background :</b>	The protein encoded by this gene belongs to the short-chain dehydrogenases/reductases (SDR) family, which function as NADPH-dependent oxidoreductases having wide specificity for carbonyl compounds, such as quinones, prostaglandins, and various xenobiotics. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2013],
<b>Function :</b>	catalytic activity:(13E)-(15S)-11-alpha,15-dihydroxy-9-oxoprost-13-enoate + NADP(+) = (13E)-11-alpha-hydroxy-9,15-dioxoprost-13-enoate + NADPH.,catalytic activity:(5Z,13E)-(15S)-9-alpha,11-alpha,15-trihydroxyprosta-5,13-dienoate + NADP(+) = (5Z,13E)-(15S)-11-alpha,15-dihydroxy-9-oxoprosta-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-alpha.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,subunit:Monomer.,
<b>Subcellular Location :</b>	Cytoplasm .
<b>Expression :</b>	Expressed in kidney (at protein level).
<b>Sort :</b>	3282
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

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## Products Images



Western blot detection of CBR1 in HeLa, A431 and MDA-MB-468 cell lysates using CBR1 mouse mAb (1:1000 diluted). Predicted band size: 30KDa, Observed band size: 30KDa.



Immunocytochemistry stain of HeLa using CBR1 mouse mAb (1:100).