

## Carbonyl Reductase 3 Polyclonal Antibody

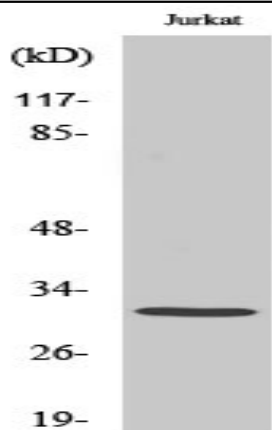
<b>Catalog No :</b>	YT0633
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Carbonyl Reductase 3
<b>Fields :</b>	>>Arachidonic acid metabolism;>>Metabolism of xenobiotics by cytochrome P450;>>Metabolic pathways
<b>Gene Name :</b>	CBR3
<b>Protein Name :</b>	Carbonyl reductase [NADPH] 3
<b>Human Gene Id :</b>	874
<b>Human Swiss Prot No :</b>	O75828
<b>Mouse Gene Id :</b>	109857
<b>Mouse Swiss Prot No :</b>	Q8K354
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CBR3. AA range:151-200
<b>Specificity :</b>	Carbonyl Reductase 3 Polyclonal Antibody detects endogenous levels of Carbonyl Reductase 3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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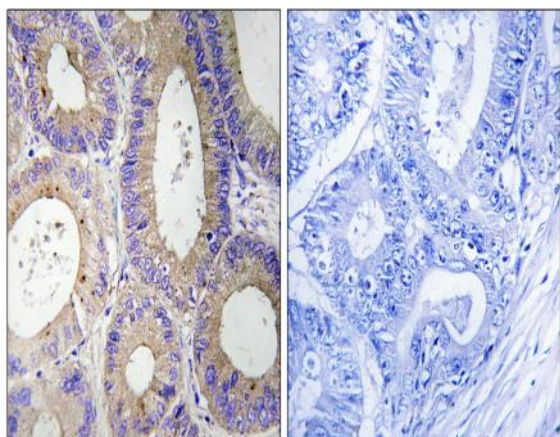
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	31kD
<b>Cell Pathway :</b>	Arachidonic acid metabolism;
<b>Background :</b>	Carbonyl reductase 3 catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. The enzyme is classified as a monomeric NADPH-dependent oxidoreductase. CBR3 contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:R-CHOH-R' + NADP(+) = R-CO-R' + NADPH.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,
<b>Subcellular Location :</b>	Cytoplasm .
<b>Expression :</b>	Detected in ovary, pancreas, intestine, colon, kidney, brain, thymus, lung, heart, liver, spleen, leukocyte, prostate and testis.
<b>Sort :</b>	3114
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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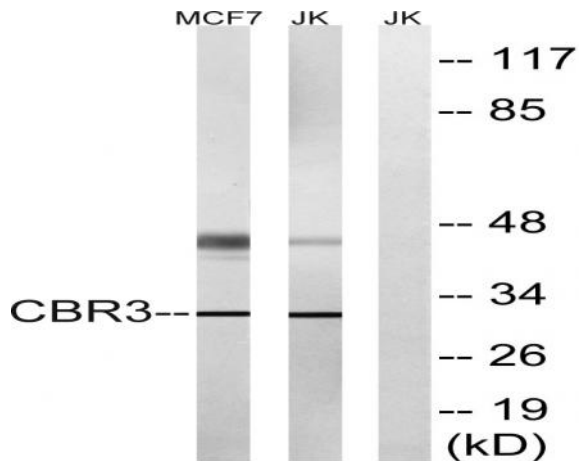
## Products Images



Western Blot analysis of various cells using Carbonyl Reductase 3 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using CBR3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat and MCF7 cells, using CBR3 Antibody. The lane on the right is blocked with the synthesized peptide.