

# CBR1 Polyclonal Antibody

Catalog Number: E-AB-14736

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

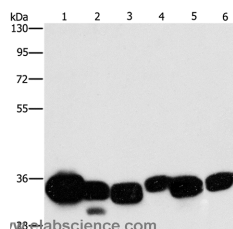
## Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein of human CBR1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

## Applications Recommended Dilution

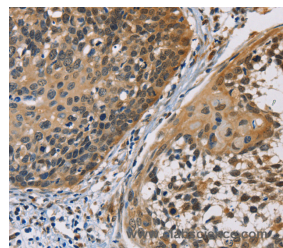
<b>WB</b>	1:1000-1:5000
<b>IHC</b>	1:50-1:200

## Data

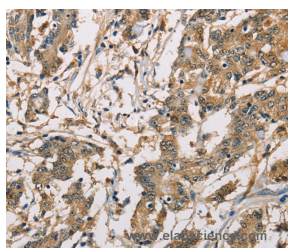


Western Blot analysis of Mouse liver and Human fetal lung tissue, hela cell and Mouse kidney tissue, Human brain malignant glioma tissue and K562 cell using CBR1 Polyclonal Antibody at dilution of 1:1000

**Calculated Mw:30kDa**



Immunohistochemistry of paraffin-embedded Human cervical cancer using CBR1 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human colon cancer using CBR1 Polyclonal Antibody at dilution of 1:40

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Carbonyl reductase is one of several monomeric, NADPH-dependent oxidoreductases having wide specificity for

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carbonyl compounds. This enzyme is widely distributed in human tissues. Another carbonyl reductase gene, CRB3, lies close to this gene on chromosome 21q. 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.

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