

# CBR1 Polyclonal Antibody

Catalog Number:E-AB-10951

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

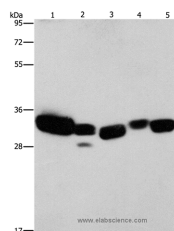
## Description

<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

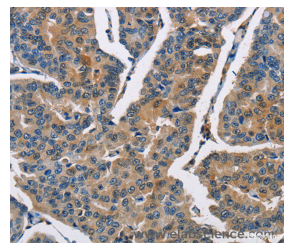
## Applications Recommended Dilution

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

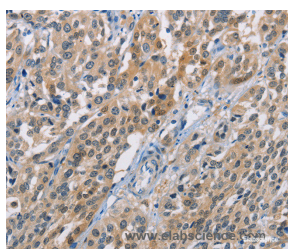
## Data



Western Blot analysis of Mouse liver and Human fetal lung tissue, hela cell and Mouse kidney tissue, Human brain malignant glioma tissue using CBR1 Polyclonal Antibody at dilution of 1:900  
**Calculated Mw:30kDa**



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



Immunohistochemistry of paraffin-embedded Human esophagus 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 carbonyl compounds. This enzyme is widely distributed in human tissues. Another carbonyl reductase gene, CRB3, lies

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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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