

Product datasheet for **TA349648**

CBR1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Mouse liver and human fetal lung tissue, hela cells and mouse kidney tissue, human brain malignant glioma tissue and K562 cells IHC: 50-200 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CBR1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	carbonyl reductase 1
Database Link:	NP_001748 Entrez Gene 12408 Mouse Entrez Gene 29224 Rat Entrez Gene 873 Human P16152



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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 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.

Synonyms:

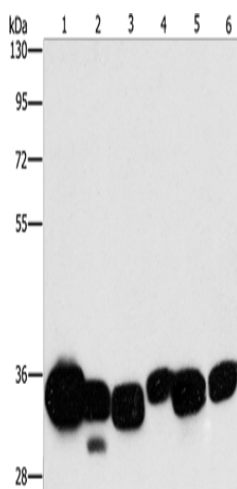
CBR; hCBR1; SDR21C1

Protein Families:

Druggable Genome

Protein Pathways:

Arachidonic acid metabolism, Metabolic pathways

Product images:

Gel: 15%SDS-PAGE

Lysate: 40 µg

Lane 1-6: Mouse liver tissue

human fetal lung tissue

hela cells

mouse kidney tissue

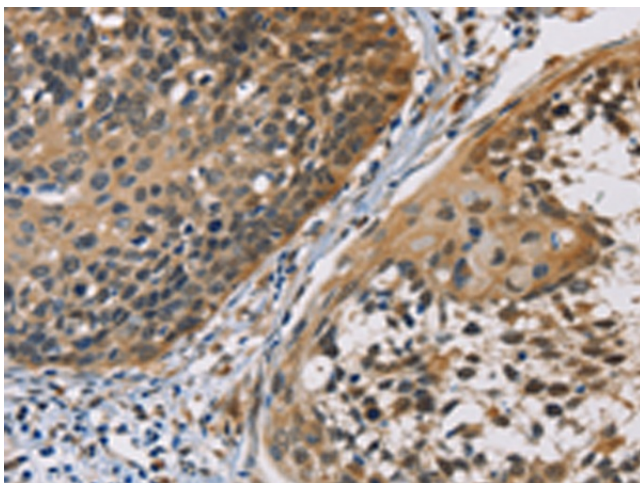
human brain malignant glioma tissue

K562 cells

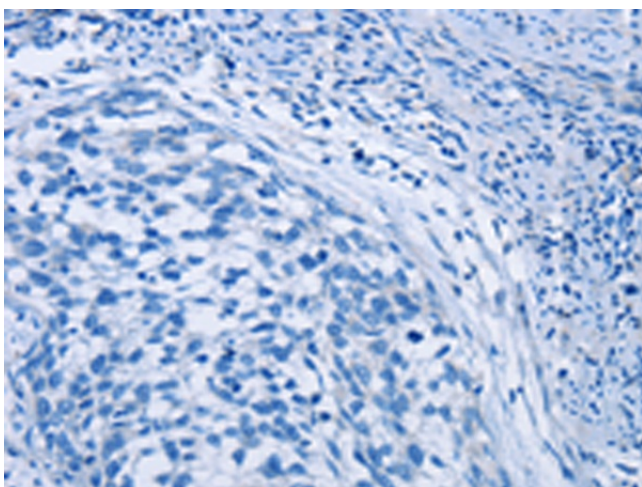
Primary antibody: TA349648 (CBR1 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

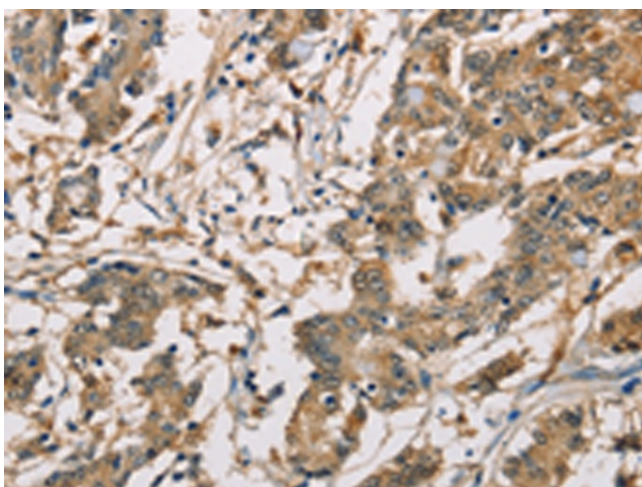
Exposure time: 10 seconds



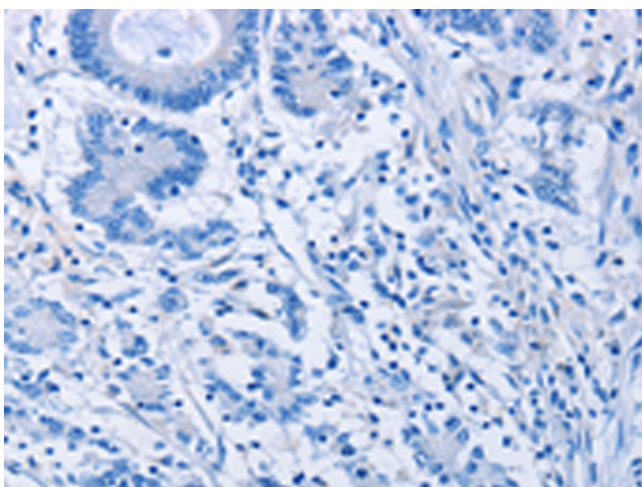
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349648 (CBR1 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349648 (CBR1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA349648 (CBR1 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA349648 (CBR1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)