

# Anti-CBR3 Antibody

Rabbit polyclonal antibody to CBR3 Catalog # AP60754

#### **Product Information**

ApplicationWB, IHCPrimary AccessionQ75828Other AccessionQ8K354

**Reactivity** Human, Mouse, Rat, Monkey, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 30850

#### **Additional Information**

Gene ID 874

Other Names Carbonyl reductase [NADPH] 3; NADPH-dependent carbonyl reductase 3

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human CBR3. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

#### **Protein Information**

Name CBR3 ( HGNC:1549)

**Function** Catalyzes the NADPH-dependent reduction of carbonyl compounds to their

corresponding alcohols (PubMed:<u>18493841</u>). Has low NADPH- dependent oxidoreductase activity. Acts on several orthoquinones, acts as well on non-quinone compounds, such as isatin or on the anticancer drug oracin (PubMed:<u>15537833</u>, PubMed:<u>18493841</u>, PubMed:<u>19841672</u>). Best substrates for CBR3 is 1,2- naphthoquinone, hence could play a role in protection against cytotoxicity of exogenous quinones (PubMed:<u>19841672</u>). Exerts activity toward ortho-quinones but not paraquinones. No endogenous substrate for

CBR3 except isatin has been identified (PubMed: 19841672).

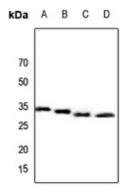
**Cellular Location** Cytoplasm.

Detected in ovary, pancreas, intestine, colon, kidney, brain, thymus, lung,

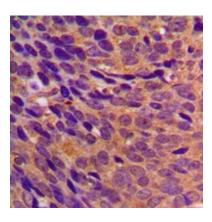
## **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CBR3. The exact sequence is proprietary.

### **Images**



Western blot analysis of CBR3 expression in mouse lung (A), mouse brain (B), mouse liver (C), rat liver (D) whole cell lysates.



Immunohistochemical analysis of CBR3 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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