

32-5951: Mouse Anti Human Carbonyl Reductase-3(Clone: PAT3C5AT.)

Clonality :	Monoclonal
Clone Name :	PAT3C5AT.
Application :	ELISA, WB
Gene :	CBR3
Gene ID :	874
Uniprot ID :	O75828
Format :	Purified
Alternative Name :	Carbonyl reductase [NADPH] 3, NADPH-dependent carbonyl reductase 3, CBR3, carbonyl reductase 3, hCBR3, SDR21C2.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human CBR3 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CBR3 amino acids 1-277 purified from E. coli.

Description

CBR3 catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. CBR3 is one of several monomeric NADPH-dependent oxidoreductases. Furthermore, CBR3 contains 3 exons spanning 11.2 kilobases and is strongly linked to another carbonyl reductase gene, the CBR1. It was suggested that CBR3 mediates 9-cis-retinoic acid-induced cytostasis and is a potential prognostic marker for oral malignancy. CBR3 is identified in the ovary, pancreas, intestine, colon, kidney, brain, thymus, lung, heart, liver, spleen, leukocyte, prostate and the testis. Polymorphisms in CBR3 may give an explanation to interindividual and interethnic variability of doxorubicin pharmacokinetics and pharmacodynamics.

Product Info

Amount :	20 µg
Purification :	CBR3 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

CBR3 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000 ~ 2000. Recommended starting dilution is 1:1000.