ABGENEX Pvt. Ltd.,
E-5, Infocity, KIIT Post Office,
Tel : +91-674-2720712, +91-9437550560
Email : info@abgenex.com
Bhubaneswar, Odisha - 751024, INDIA

32-6055: Mouse Anti Human Carbonyl Reductase-1(Clone:4E12.)

Clonality :	Monoclonal
Clone Name :	4E12.
Application :	ELISA,WB
Gene :	CBR1
Gene ID :	873
Uniprot ID :	P16152
Format :	Purified
Alternative Name :	Carbonyl Reductase 1,SDR21C1,Prostaglandin-E(2) 9-reductase,NADPH-dependent carbonyl reductase 1,CBR,hCBR1,15-hydroxyprostaglandin dehydrogenase,CRN.
Isotype :	Mouse IgG2a heavy chain and Kappa light chain
Immunogen Information :	Anti-human CBR1 mAb is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CBR1 protein.

Description

CBR1 is a NADPH-dependent, monomeric, and cytosolic enzyme which is related to a family of short-chain dehydrogenases/reductases. CBR1 protein (277 a.a.) is broadly spread in human tissues such as liver, epidermis, stomach, small intestine, kidney, neuronal cells, and smooth muscle fiber. CBR1 metabolizes numerous toxic environmental quinones and pharmacological relevant substrates such as the anticancer drug, doxorubicin. The best substrates of CBR1 are quinones, including ubiquinone-1 and tocophrolquinone (vitamin E).

Product Info

Amount :	20 µg
Purification :	Recombinant human CBR1 (1-277 aa) purified from E. coli
Content :	1mg/ml containing Phosphate-Buffered Saline (pH 7.4) with 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

The antibody has been tested by ELISA, 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 1:500 ~ 1:1,000.