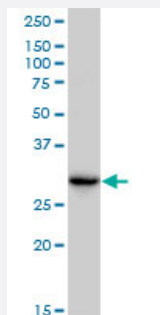


CBR3 monoclonal antibody (M05), clone 1G8

Catalog # H00000874-M05

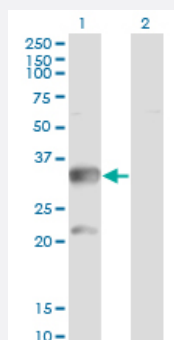
Size 100 ug

Applications



Western Blot (Cell lysate)

CBR3 monoclonal antibody (M05), clone 1G8. Western Blot analysis of CBR3 expression in HepG2 (Cat # L019V1).

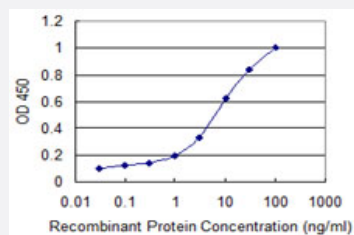


Western Blot (Transfected lysate)

Western Blot analysis of CBR3 expression in transfected 293T cell line by CBR3 monoclonal antibody (M05), clone 1G8.

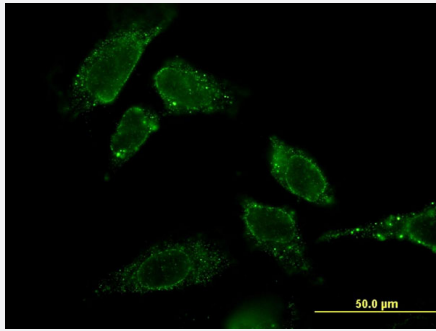
Lane 1: CBR3 transfected lysate (Predicted MW: 30.9 KDa).

Lane 2: Non-transfected lysate.



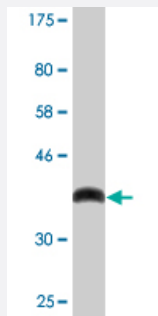
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CBR3 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CBR3 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CBR3.
Immunogen	CBR3 (NP_001227, 180 a.a. ~ 277 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KNEVHEREGWPNSPYGVSKLGVTVLSRILARRLDEKRAKADRLVNACCPGPVKTDMDGKDSIRTV EEGAETPVYLALLPPDATEPQGQLVHDKVVQNW
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CBR3 monoclonal antibody (M05), clone 1G8. Western Blot analysis of CBR3 expression in HepG2(Cat # L019V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CBR3 expression in transfected 293T cell line by CBR3 monoclonal antibody (M05), clone 1G8.

Lane 1: CBR3 transfected lysate (Predicted MW: 30.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CBR3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CBR3 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CBR3

Entrez GeneID	874
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GeneBank Accession#	NM_001236
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Protein Accession#	NP_001227
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Gene Name	CBR3
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Gene Alias	SDR21C2, hCBR3
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Gene Description	carbonyl reductase 3
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Omim ID	603608
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Gene Ontology	Hyperlink
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Gene Summary

Carbonyl reductase 3 catalyzes the reduction of a large number of biologically and pharmacologically active carbonyl compounds to their corresponding alcohols. The enzyme is classified as a monomeric NADPH-dependent oxidoreductase. CBR3 contains three exons spanning 11.2 kilobases and is closely linked to another carbonyl reductase gene - CBR1. [provided by RefSeq]

Other Designations

NADPH-dependent carbonyl reductase 3|carbonyl reductase (NADPH) 3|short chain dehydrogenase/reductase family 21C, member 2

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)