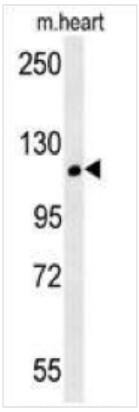
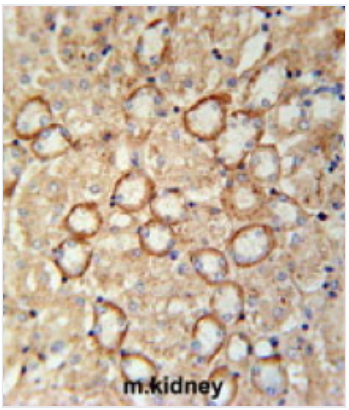
CRUM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRUM2, Polyclonal Antibody
Full Product Name	CRUM2, CT (CRB2, Crumbs homolog 2, Crumbs-like protein 2) (Biotin)
Product Gene Name	anti-CRUM2 antibody
Product Synonym Gene Name	CRB2
Product Synonym Names	CRB2; Crumbs homolog 2; Crumbs-like protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human CRUM2. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	99,830 Da
OMIM	609720
3D Structure	ModBase 3D Structure for Q5IJ48
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1258-1285 of human CRUM2.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-CRUM2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-CRUM2 antibody	Immunohistochemistry (IHC) Paraffin, ELISA (EIA), Western Blot (WB)
Application Notes for anti-CRUM2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CRUM2 antibody	MBS6289002 is an antibody targeting CRUM2. Also known as CRUM2, CT (CRB2, Crumbs homolog 2, Crumbs-like protein 2) (Biotin). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CRUM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CRUM2 antibody
Western Blot analysis in mouse heart tissue lysates (15ug/lane) usingMBS642013. This demonstrates that MBS642013 detected CRUM2 protein (arrow).



Immunohistochemistry (IHC) of anti-CRUM2 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded mouse kidney tissue using MBS642013 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS642013 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRUM2. It may not necessarily be applicable to this product.

NCBI GI #	112420992
NCBI GeneID	286204
NCBI Accession #	NP_775960.4
UniProt Primary Accession #	Q5IJ48
UniProt Secondary Accession #	Q0QD46; Q5JS41; Q5JS43; Q6ZTA9; Q6ZWI6; A2A3N4
UniProt Related Accession #	Q5IJ48
GenBank Nucleotide #	NM_173689.6
NCBI Official Full Name	protein crumbs homolog 2
NCBI Official Synonym Full Names	crumbs family member 2
NCBI Official Symbol	CRB2
NCBI Official Synonym Symbols	FSGS9; VMCKD
UniProt Protein Name	Protein crumbs homolog 2
UniProt Synonym Protein Names	Crumbs-like protein 2
UniProt Gene Name	CRB2
UniProt Entry Name	CRUM2_HUMAN
NCBI Protein Information	protein crumbs homolog 2

UniProt Comments for CRUM2	CRB2: May play a role in polarized cells morphogenesis. Belongs to the Crumbs protein family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q33.3 Cellular Component: protein complex; plasma membrane; integral to membrane; lipid raft Molecular Function: enzyme binding; aspartic-type endopeptidase inhibitor activity; calcium ion binding Biological Process: somitogenesis; mesoderm formation; notochord formation; maintenance of epithelial cell polarity; positive regulation of BMP signaling pathway Disease: Ventriculomegaly With Cystic Kidney Disease; Focal Segmental Glomerulosclerosis 9
Research Articles on CRUM2	**1.** The three families with six affected individuals present compelling evidence for the role of CRB2 in human disease, with a phenotype comprising severe, congenital neurological and renal involvement.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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