

CRB3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17560c**Specification**

CRB3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BUF7](#)**CRB3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 92359**Other Names**

Protein crumbs homolog 3, CRB3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CRB3 Antibody (Center) Blocking Peptide - Protein Information**Name** CRB3 ([HGNC:20237](#))**Function**

Involved in the establishment of cell polarity in mammalian epithelial cells (PubMed:12771187, PubMed:14718572). Regulates the morphogenesis of tight junctions (PubMed:12771187, PubMed:14718572). Involved in promoting phosphorylation and cytoplasmic retention of transcriptional coactivators YAP1 and WWTR1/TAZ which leads to suppression of TGFβ1-dependent transcription of target genes such as CCN2/CTGF, SERPINE1/PAI1, SNAI1/SNAIL1 and SMAD7 (By similarity).

Cellular Location

Apical cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Localizes primarily to the apical membrane with a small fraction in the upper part of tight junctions of epithelial cells.

Tissue Location

Preferentially expressed in epithelial tissues (PubMed:14718572). Expressed at high levels in lung, kidney, and colon (PubMed:12527193, PubMed:14718572). Expressed at high levels in retina,

colon and mammary glands (PubMed:12527193). Moderately expressed in liver, spleen, pancreas and prostate (PubMed:12527193). Moderately to weakly expressed in the placenta (PubMed:14718572, PubMed:12527193) Weakly expressed in skeletal muscle and small intestine (PubMed:14718572).

CRB3 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CRB3 Antibody (Center) Blocking Peptide - Images

CRB3 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the Crumbs family of proteins. This protein may play a role in epithelial cell polarity and is associated with tight junctions at the apical surface of epithelial cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].

CRB3 Antibody (Center) Blocking Peptide - References

Pardossi-Piquard, R., et al. Biochemistry 46(48):13704-13710(2007) Fan, S., et al. J. Cell Biol. 178(3):387-398(2007) Fogg, V.C., et al. J. Cell. Sci. 118 (PT 13), 2859-2869 (2005) :Lemmers, C., et al. Mol. Biol. Cell 15(3):1324-1333(2004) Roh, M.H., et al. J. Cell. Sci. 116 (PT 14), 2895-2906 (2003) :