

CRB3 Polyclonal Antibody

Catalog number: 12315-1-AP
Size: 30 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
CRB3; CRB3, crumbs homolog 3
(Drosophila), Crumbs protein
homolog 3

Background

Crumbs is an apical transmembrane protein crucial for epithelial morphogenesis in *Drosophila melanogaster* embryos. Three isoforms of mammalian Crumbs have been identified, and two have been characterized. Crumbs1 (CRB1) is expressed primarily in the central nervous system, whereas Crumbs3 (CRB3) is mainly expressed in epithelial tissues and skeletal muscles. CRB3 is an N-glycosylated, small transmembrane protein. CRB3 has a conserved cytoplasmic domain containing the two motives GTY and ERLI found in Crumbs, but exhibits a very short extracellular domain without the EGF- and laminin A-like G repeats present in the other Crumbs. Through its cytoplasmic domain and its interactors (e.g., Pals1 and Par6), CRB3 plays a role in apical membrane morphogenesis and tight junction regulation. (PMID: 14718572; 12527193; 15976445)

Applications

Tested applications: ELISA
Species specificity: Human; other species not tested.
Calculated CRB3 MW: 123aa,13 kDa
Observed CRB3 MW:

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen: Ag2968
GenBank accession number: BC018409
Gene ID (NCBI): 92359
Full name: Crumbs homolog 3 (Drosophila)

Product information

Purification method: Antigen affinity purification
Storage: PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.