

C2CD3 Antibody (Internal)

Rabbit Polyclonal Antibody Catalog # ALS16457

Specification

C2CD3 Antibody (Internal) - Product Information

Application IHC
Primary Accession Q4AC94

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 260kDa KDa

C2CD3 Antibody (Internal) - Additional Information

Gene ID 26005

Other Names

C2 domain-containing protein 3, C2CD3

Target/Specificity

C2CD3 antibody is human, mouse and rat reactive.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

C2CD3 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

C2CD3 Antibody (Internal) - Protein Information

Name C2CD3

Function

Component of the centrioles that acts as a positive regulator of centriole elongation (PubMed:24997988). Promotes assembly of centriolar distal appendage, a structure at the distal end of the mother centriole that acts as an anchor of the cilium, and is required for recruitment of centriolar distal appendages proteins CEP83, SCLT1, CEP89, FBF1 and CEP164. Not required for centriolar satellite integrity or RAB8 activation. Required for primary cilium formation (PubMed:23769972). Required for sonic hedgehog/SHH signaling and for proteolytic processing of GLI3.

Cellular Location

Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=Localizes to centrioles and procentrioles both in interphase and mitosis. Localizes to centriolar satellites, localization is dependent on PCM1 and



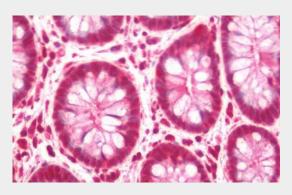
dynein-mediated retrograde transport. Also localizes to the distal ends of the mother and daughter centrioles

C2CD3 Antibody (Internal) - Protocols

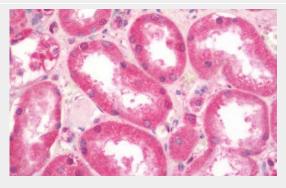
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

C2CD3 Antibody (Internal) - Images



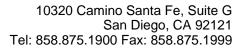
Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)

C2CD3 Antibody (Internal) - Background

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C2CD3 Antibody (Internal) - References

Totoki Y.,et al.Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases. Taylor T.D.,et al.Nature 440:497-500(2006). Ota T.,et al.Nat. Genet. 36:40-45(2004). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Liu T.,et al.J. Proteome Res. 4:2070-2080(2005).