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SPEF1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16160

Specification

SPEF1 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y4P9
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25kDa KDa**

SPEF1 Antibody - N-terminal region - Additional Information

Gene ID 25876

Alias Symbol	**SPEF1, C20orf28,**

Other Names
Sperm flagellar protein 1, SPEF1, C20orf28

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-SPEF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
SPEF1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SPEF1 Antibody - N-terminal region - Protein Information

Name SPEF1

Synonyms C20orf28

Function
Microtubule-associated protein involved in the stabilization of microtubules along the axis of migration during radial intercalation. Promotes the establishment and stabilization of an axis of microtubules required for the active migration of cells into the outer epithelium (By similarity). Microtubule-associated protein that promotes microtubule bundling and stabilizes microtubules against depolymerization in response to cold shock (By similarity). Essential for ciliary central apparatus formation which requires both its microtubule-binding and bundling activities and for ciliary localization of HYDIN and SPAG6 in ependymal cilia (By similarity). Binds actin in intestinal epithelial cells (IECs), essential for IECs survival and contributes to formation of filopodia and lamellipodia in migrating IECs (PubMed:<a href="http://www.uniprot.org/citations/31473225"

target="_blank">31473225). Regulates planar cell polarity signaling pathway and asymmetric microtubule accumulation in ciliated epithelia (By similarity).

Cellular Location
Cytoplasm. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q99JL1} Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q0IH24} Apical cell membrane. Basolateral cell membrane. Cytoplasm, cytoskeleton, stress fiber. Cell projection, microvillus. Cell projection, lamellipodium. Cell projection, filopodium. Note=Present in the tails of developing and epididymal sperm, internal to the fibrous sheath and around the outer dense fibers of the sperm flagellum. Also found at the apical tip of cilia (By similarity). Colocalizes with TJP1 and CGN at sites of cell-cell contact in intestinal epithelial cells (PubMed:31473225) {ECO:0000250|UniProtKB:Q0IH24, ECO:0000269|PubMed:31473225}

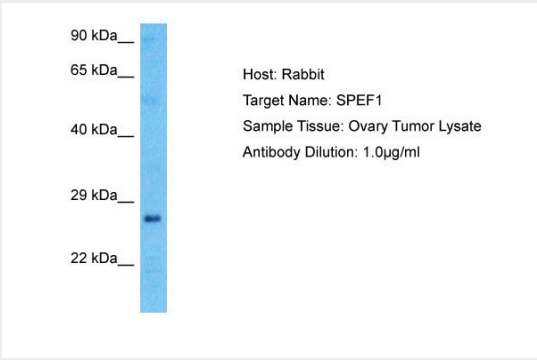
Tissue Location
Expressed in the intestinal epithelial cells (at protein level).

SPEF1 Antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPEF1 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: SPEF1
Sample Tissue: Ovary Tumor lysates
Antibody Dilution: 1.0µg/ml

SPEF1 Antibody - N-terminal region - References

Wiemann S.,et al.Genome Res. 11:422-435(2001).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Deloukas P.,et al.Nature 414:865-871(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Chan S.W.,et al.Gene 353:189-199(2005).

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