10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ESPN Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6876a

Specification

ESPN Antibody (N-term) Blocking Peptide - Product Information

Primary Accession B1AK53

ESPN Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 83715

Other Names
Espin, Autosomal recessive deafness type 36 protein, Ectoplasmic specialization protein, ESPN, DFNB36

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6876a was selected from the N-term region of human ESPN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ESPN Antibody (N-term) Blocking Peptide - Protein Information

Name ESPN

ESPN Antibody (N-term) Blocking Peptide - Background

ESPN is a multifunctional actin-bundling protein. It plays a major role in regulating the organization, dimensions, dynamics, and signaling capacities of the actin filament-rich, microvillus-type specializations that mediate sensory transduction in various mechanosensory and chemosensory cells.

ESPN Antibody (N-term) Blocking Peptide - References

Boulouiz,R., et.al., Am. J. Med. Genet. A 146A (23), 3086-3089 (2008)

Synonyms DFNB36

Function
Multifunctional actin-bundling protein. Plays a major role in regulating the organization, dimension, dynamics and signaling capacities of the actin filament-rich microvilli in the mechanosensory and chemosensory cells (PubMed:29572253). Required for the assembly and stabilization of the stereociliary parallel actin bundles. Plays a crucial role in the formation and maintenance of inner ear hair cell stereocilia (By similarity). Involved in the elongation of actin in stereocilia (PubMed:29572253). In extrastriolar hair cells, required for targeting MYO3B to stereocilia tips, and for regulation of stereocilia diameter and staircase formation.

Cellular Location
Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9ET47}. Cell projection, stereocilium. Cell projection, microvillus

ESPN Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides