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Rabbit Anti-Espin/DFNB36 antibody

SL14635R

Product Name:	Espin/DFNB36
Chinese Name:	常染色体隐性遗传性耳聋型36蛋白抗体
Alias:	Autosomal recessive deafness type 36 protein; deafness autosomal recessive 36; DFNB36; ESPN_HUMAN; DKFZp434A196; DKFZp434G2126; Ectoplasmic specialization protein; ESPN; LP2654.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	92kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Espin/DFNB36:601-700/854
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes 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. Mutations in this gene are associated with autosomal recessive neurosensory deafness, and autosomal dominant sensorineural

deafness without vestibular involvement. [provided by RefSeq, Nov 2009]

Function:
Espin 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.

Subunit:
Monomer (By similarity). Binds F-actin in a Ca(2+)-resistant fashion (By similarity). Interacts (via N-terminal) with BAIAP2 (via SH3-domain) (By similarity). Interacts with PFN2 (By similarity).

Subcellular Location:
Cytoplasm, cytoskeleton. Cell projection, stereocilium. Cell projection, microvillus.

DISEASE:
Deafness, autosomal recessive, 36, with or without vestibular involvement (DFNB36) [MIM:609006]: A form of non-syndromic sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. DFNB36 is characterized by prelingual, profound hearing loss, and vestibular areflexia in some patients. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:
Contains 9 ANK repeats.
Contains 1 WH2 domain.

SWISS:
B1AK53

Gene ID:
83715

Database links:

Entrez Gene: 83715 Human

Omim: 606351 Human

SwissProt: B1AK53 Human

Important Note:
This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.