

Datasheet for ABIN7600060
anti-Espin antibody (AA 143-854)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Espin (ESPN)
Binding Specificity:	AA 143-854
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Espin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-ESPN Antibody Picoband®
Immunogen:	E.coli-derived human ESPN recombinant protein (Position: H143-Y854). Human ESPN shares 75.6% and 78.1% amino acid (aa) sequence identity with mouse and rat ESPN, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ESPN Antibody Picoband® (ABIN7600060). Tested in WB, ELISA applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Espin (ESPN)
Alternative Name:	ESPN (ESPN Products)
Background:	<p>Synonyms: ESPN, DFNB36, LP2654, Espin, Autosomal recessive deafness type 36 protein, Ectoplasmic specialization protein</p> <p>Background: 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.</p>
Molecular Weight:	110 kDa
Gene ID:	83715
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Ahmed, Z. M., Jaworek, T., Sarangdhar, G. N., Zheng, L., Gul, K., Khan, S. N., Friedman, T. B., Sisk, R. A., Bartles, J. R., Riazuddin, S., Riazuddin, S. Inframe deletion of human ESPN is associated with deafness, vestibulopathy and vision impairment. J. Med. Genet. 55: 479-488, 2018. 2. Bartles, J. R., Wierda, A., Zheng, L. Identification and characterization of espin, an actin-binding protein localized to the F-actin-rich junctional plaques of Sertoli cell ectoplasmic specializations. J. Cell Sci. 109: 1229-1239, 1996. 3. Bartles, J. R., Zheng, L., Li, A., Wierda, A., Chen, B. Small espin: a third actin-bundling protein and potential forked protein ortholog in brush border microvilli. J. Cell Biol. 143: 107-119, 1998.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.