

For Research Use Only

# ESPN Polyclonal antibody

Catalog Number: 20717-1-AP



## Basic Information

<b>Catalog Number:</b> 20717-1-AP	<b>GenBank Accession Number:</b> NM_031475	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 83715	<b>Recommended Dilutions:</b> WB 1:300-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> espin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 92 kDa	
	<b>Observed MW:</b> 30-33 kDa, 110 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, Neuro-2a cells, rat testis
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

ESPN, also named as DFN36, is a multifunctional actin-bundling protein. ESPN 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. Defects in ESPN are the cause of deafness autosomal recessive type 36 (DFNB36). Defects in ESPN are the cause of deafness autosomal dominant without vestibular involvement (DFNAWVI). The antibody is specific to ESPN.

## Storage

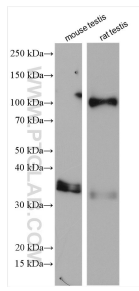
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20717-1-AP (ESPN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.