

For Research Use Only

# ESPN Polyclonal antibody, PBS Only

Catalog Number: 20717-1-PBS



## Basic Information

### Catalog Number:

20717-1-PBS

### Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_031475

### GeneID (NCBI):

83715

### UNIPROT ID:

B1AK53

### Full Name:

espin

### Calculated MW:

92 kDa

### Observed MW:

30-33 kDa, 110 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, IHC, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

ESPN, also named as DFNB36, 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 -80°C.

### Storage Buffer:

PBS Only

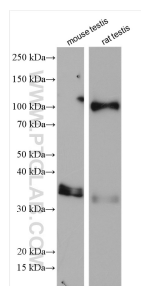
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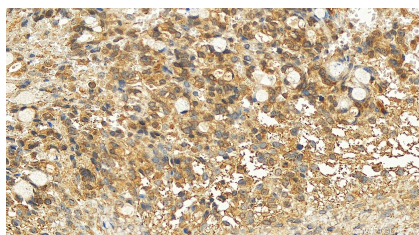
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## Selected Validation Data



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. This data was developed using the same antibody clone with 20717-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 20717-1-AP (ESPN antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20717-1-PBS in a different storage buffer formulation.