

ESPN Polyclonal antibody

Catalog Number: 20717-1-AP

Basic Information

Catalog Number: 20717-1-AP	GenBank Accession Number: NM_031475	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 83715	Recommended Dilutions: WB 1:300-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: B1AK53	
Isotype: IgG	Full Name: espin	
	Calculated MW: 92 kDa	
	Observed MW: 30-33 kDa, 110 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse testis tissue, Neuro-2a cells, rat testis
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human ovary cancer tissue,

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

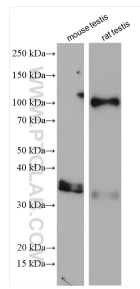
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

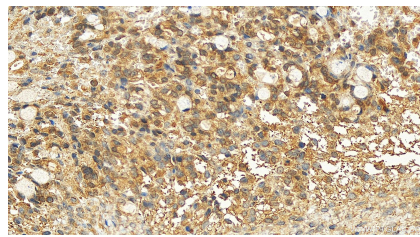
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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).