

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

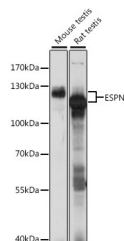
## Description

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Reactivity</b>   | Human,Mouse,Rat                               |
| <b>Immunogen</b>    | Recombinant fusion protein of human ESPN      |
| <b>Host</b>         | Rabbit                                        |
| <b>Isotype</b>      | IgG                                           |
| <b>Purification</b> | Affinity purification                         |
| <b>Conjugation</b>  | Unconjugated                                  |
| <b>Formulation</b>  | PBS with 0.01% thiomersal,50% glycerol,pH7.3. |

## Applications Recommended Dilution

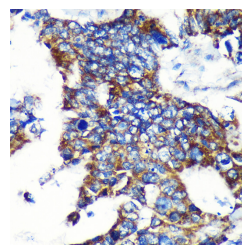
|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:2000 |
| <b>IHC</b> | 1:50-1:200   |

## Data



Western blot analysis of extracts of various cell lines using ESPN Polyclonal Antibody at 1:1000 dilution.

**Observed Mw:110-120kDa**  
**Calculated Mw:31kDa/91kDa**



Immunohistochemistry of paraffin-embedded Human colon carcinoma using ESPN Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze/thaw cycles.

## 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.

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

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Fax: 1-832-243-6017