

## SPTAN1 Polyclonal Antibody

Catalog No. E-AB-40268

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

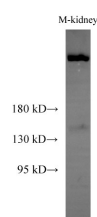
### Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human, Mouse, Rat   |
| <b>Immunogen</b>    | Recombinant Rat Spectrin alpha chain, non-erythrocytic 1 protein            |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Antigen Affinity Purification   |
| <b>Conjugation</b>  | Unconjugated  |
| <b>Buffer</b>       | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4 |

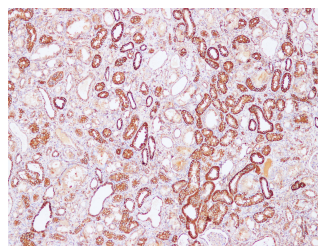
### Applications Recommended Dilution

|            |               |
|------------|---------------|
| <b>WB</b>  | 1:1000-1:2000 |
| <b>IHC</b> | 1:100-1:400   |

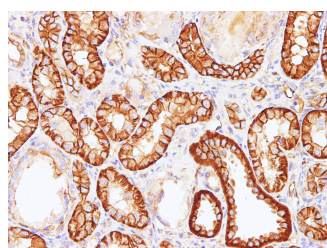
### Data



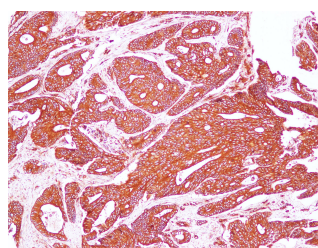
Western Blot analysis of Mouse kidney using Sptan1 Polyclonal Antibody at dilution of 1:1000  
**Observed Mw: 280 kDa**  
**Calculated Mw: 285,282 kDa**



Immunohistochemistry of paraffin-embedded Rat kidney using Sptan1 Polyclonal Antibody at dilution of 1:100 (100×)

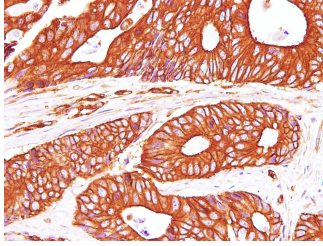


Immunohistochemistry of paraffin-embedded Rat kidney using Sptan1 Polyclonal Antibody at dilution of 1:100 (400×)

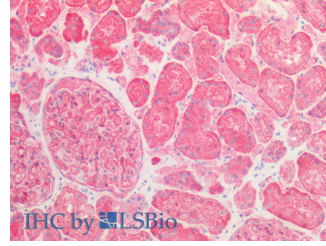


Immunohistochemistry of paraffin-embedded Human carcinoma of Colon using Sptan1 Polyclonal Antibody at dilution of 1:100 (100×)

### For Research Use Only



Immunohistochemistry of paraffin-embedded Human carcinoma of Colon using Sptan1 Polyclonal Antibody at dilution of 1:100 (400×)



Immunohistochemistry of paraffin-embedded Human kidney using SPTAN1 Polyclonal Antibody at dilution of 1:100 (Elabscience® Product Detected by Lifespan).

## Preparation & Storage

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

## Background

Spectrins are a family of filamentous cytoskeletal proteins that function as essential scaffold proteins that stabilize the plasma membrane and organize intracellular organelles. Spectrins are composed of alpha and beta dimers that associate to form tetramers linked in a head-to-head arrangement. This gene encodes an alpha spectrin that is specifically expressed in nonerythrocytic cells. The encoded protein has been implicated in other cellular functions including DNA repair and cell cycle regulation.

## For Research Use Only