# KPTN Polyclonal ANTI BODY

**Catalog Number:** 16094-1-AP

**Basic Information**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>GenBank Accession Number</th>
<th>Recommended Dilutions</th>
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<tbody>
<tr>
<td>16094-1-AP</td>
<td>BC002869</td>
<td>WB 1:1000-1:2400</td>
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</tbody>
</table>

**Size:**

48 μg/150 μl

**Source:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Antigen affinity purification

**Immunogen Catalog Number:** A58718

**GeneBank Accession Number:**

GeneID (NCBI): 11133

**Full Name:**

kaptin (actin binding protein)

**Calculated MW:**

436aa, 48 kDa

**Observed MW:**

48 kDa

**Recommended Dilutions:**

- **WB:** 1:500-1:2400
- **IHC:** 1:20-1:200
- **IF:** 1:20-1:200

**Applications**

**Tested Applications:**

ELISA, IF, IHC, WB

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Background Information**

Kaptin, also named as KPTN and Actin-associated protein 264, originally isolated from human blood platelets and likely to be involved in the actin rearrangements occurring during activation. It plays a unique role in the actin rearrangements that accompany platelet activation and stereocilia formation. Kaptin is necessary for normal neuromorphogenesis. It may play a role in producing the sensory apparatus in hair cells.

**Notable Publications**

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
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<tr>
<td>Rachel L Wolfson</td>
<td>28199306</td>
<td>Nature</td>
<td>WB</td>
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</table>

**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.
HeLa cells were subjected to SDS-PAGE followed by western blot with 16094-1-AP (KPTN antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human kidney using 16094-1-AP (KPTN antibody) at dilution of 1:100 (under 10x lens) and 40x lens.

Immunofluorescent analysis of (-20°C, Ethanol) fixed HeLa cells using 16094-1-AP (KPTN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L)