KPTN
Polyclonal ANTIBODY
Catalog Number: 16094-1-AP

Basic Information
Catalog Number: 16094-1-AP
Size: 48 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG8785
GenBank Accession Number: BC009249
GeneID (NCBI): 11133
Full Name: kaptin (actin binding protein)
Calculated MW: 436aa, 49 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:
IF, IHC, WB, ELISA
Cited Applications:
WB
Species Specificity:
human, mouse, rat
Cited Species:
human

Positve Controls:
WB: HeLa cells; human cerebellum tissue, mouse skeletal muscle tissue, NIH/3T3 cells
IHC: human kidney tissue, human heart tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue
IF: HeLa cells;

Background Information
Kaptin, also named as KPTN and Actin-associated protein 2SA, 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
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<th>Author</th>
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<tbody>
<tr>
<td>Kuang Shen</td>
<td>29590090</td>
<td>Nature</td>
<td>WB</td>
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<tr>
<td>Rachel L Wolfson</td>
<td>28199306</td>
<td>Nature</td>
<td>WB</td>
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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.
Aqueous is unnecessary for -20°C storage.
HeLa cells were subjected to SDS PAGE followed by western blot with 16094-1-AP antibody at dilution of 1:400 incubated at room temperature for 1.5 hours.

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

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

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