

# Alpha Fodrin Rabbit pAb

Catalog No.: A0160 **2 Publications**

## Basic Information

### Observed MW

285kDa

### Calculated MW

285kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## 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. Mutations in this gene are the cause of early infantile epileptic encephalopathy-5. Alternate splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

6709

### Swiss Prot

Q13813

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 950-1130 of human Alpha Fodrin (NP\_001123910.1).

### Synonyms

DEE5; NEAS; EIEE5; SPTA2; Alpha Fodrin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

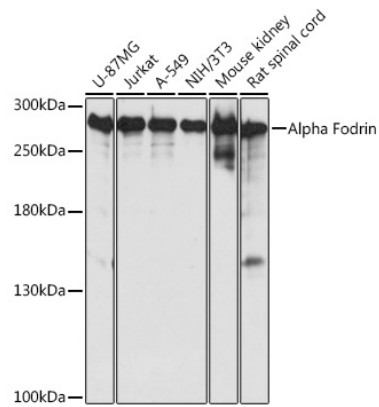
Affinity purification

### Storage

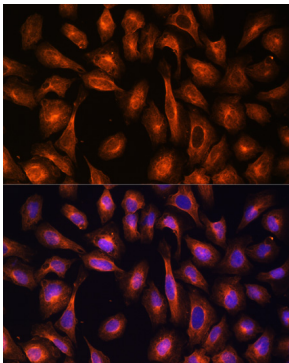
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

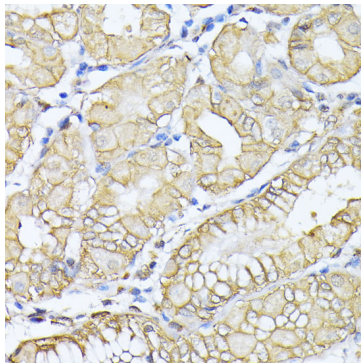
## Validation Data



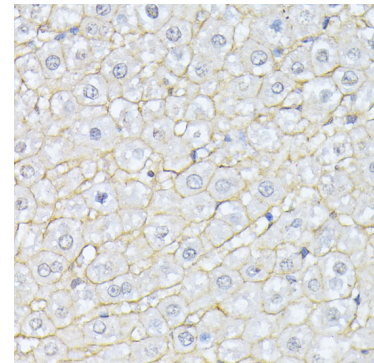
Western blot analysis of various lysates using Alpha Fodrin Rabbit pAb (A0160) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



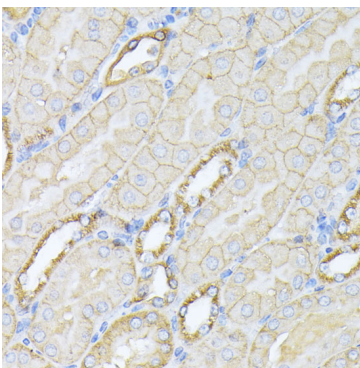
Immunofluorescence analysis of U-2 OS cells using Alpha Fodrin Rabbit pAb (A0160) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human stomach using Alpha Fodrin Rabbit pAb (A0160) 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.



Immunohistochemistry analysis of paraffin-embedded rat liver using Alpha Fodrin Rabbit pAb (A0160) 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.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using Alpha Fodrin Rabbit pAb (A0160) 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.