

Alpha Fodrin Rabbit pAb

Catalog No.: A0160 **1 Publications**

Basic Information

Catalog No.

A0160

Observed MW

285kDa

Calculated MW

282kDa/284kDa/285kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
6709	Q13813

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 950-1130 of human Alpha Fodrin (NP_001123910.1).

Synonyms

SPTAN1;EIEE5;NEAS;SPTA2

Product Information

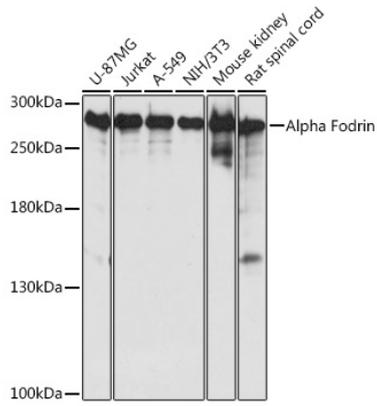
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Alpha Fodrin antibody (A0160) at 1:3000 dilution.

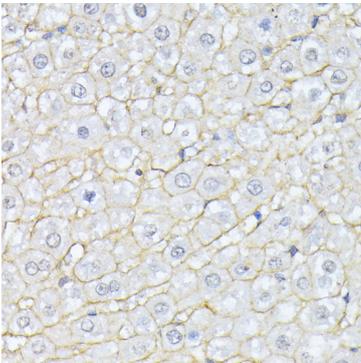
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

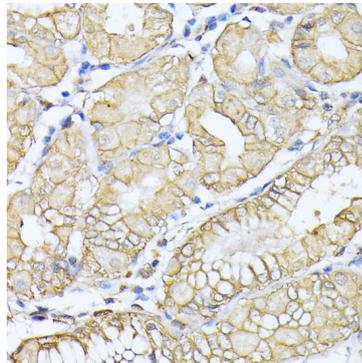
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

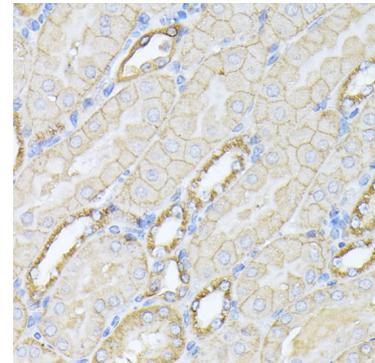
Exposure time: 1s.



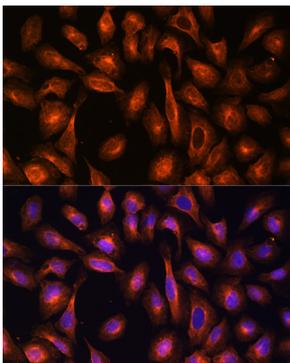
Immunohistochemistry of paraffin-embedded rat liver using Alpha Fodrin antibody (A0160) at dilution of 1:100 (40x lens).



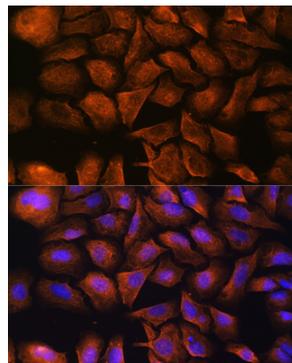
Immunohistochemistry of paraffin-embedded human stomach using Alpha Fodrin antibody (A0160) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using Alpha Fodrin antibody (A0160) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U-2 OS cells using Alpha Fodrin antibody (A0160) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Alpha Fodrin antibody (A0160) at dilution of 1:100. Blue: DAPI for nuclear staining.