Anti-Phospho-Filamin A/B (Ser2152/Ser2107) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010955

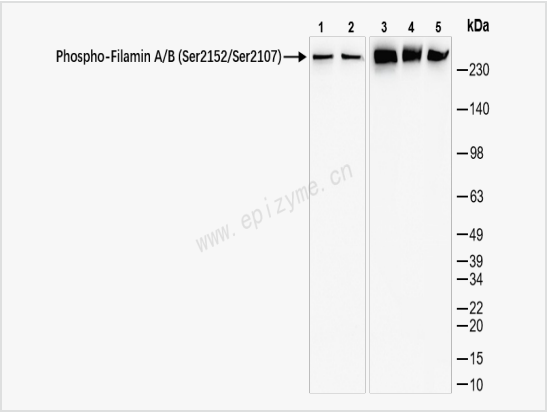
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	20K07K34
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser2152 of human Filamin A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Filamin A/B (Ser2152/Ser2107) Rabbit mAb [20K07K34] is for research use only and not for use in diagnostic or therapeutic procedures.

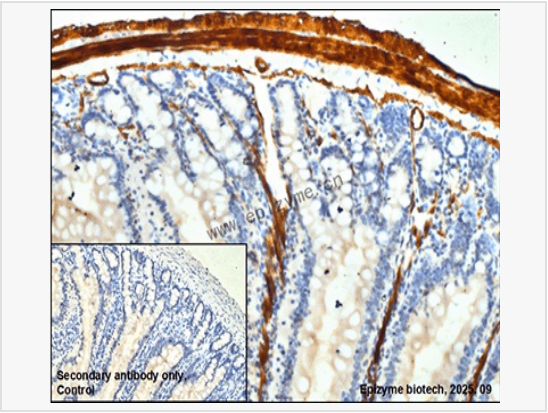
Protein Information

Synonyms	ABP 278; ABP 280 homolog; ABP-278; ABP-280 homolog; ABP278; Actin binding like protein; Actin binding protein 278; Actin-binding-like protein; AOI; beta filamin; beta-filamin; DKFZp686A1668; DKFZp686O033; Fh1; Filamin 1 actin binding protein 280 like; Filamin 3; Filamin B; Filamin B beta actin binding protein 278; Filamin homolog 1; Filamin-3; Filamin-B; FLN B; FLN-B; FLN1L; FLN3; FLNB; FLNB_HUMAN; LRS1; SCT; TABP; TAP; Thyroid autoantigen; Truncated ABP; Truncated actin binding protein; Truncated actin-binding protein.
Calculated MW	Calculated MW: 278 kDa; Observed MW: 278 kDa
Uniprot ID	O75369
Gene ID	2317
Background	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]
Cellular Location	Cytoplasm Cell cortex Cytoplasm Cytoskeleton Perikaryon Cell projection Growth cone Cell projection Podosome Colocalizes with CPMR1 in the central region of DRG neuron growth cone (By similarity). Following SEMA3A stimulation of DRG

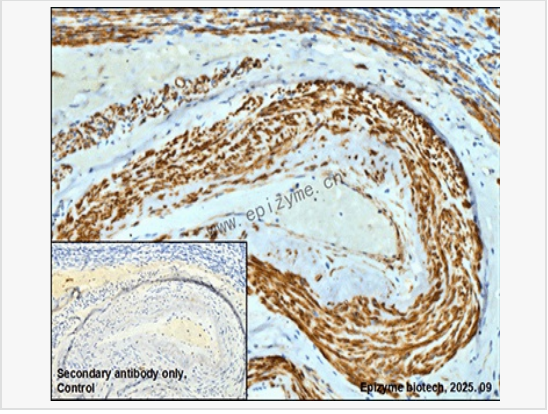
Validation Images



Western Blot - Anti-Phospho-Filamin A/B (Ser2152/Ser2107) Rabbit mAb [20K07K34]
All lanes: R010955 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 5: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 278 kDa
Observed band size: 278 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-Filamin A/B (Ser2152/Ser2107) Rabbit mAb [20K07K34]
Sample: Paraformaldehyde-fixed, paraffin embedded rat colon tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010955 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-Filamin A/B (Ser2152/Ser2107) Rabbit mAb [20K07K34]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010955 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.