Anti-FLNA antibody

Cat. No.	ml222376
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-FLNA rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human FLNA
Reactivity	Human, Mouse
Content	0.8 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	FLNA
Full name	filamin A, alpha

Synonyms	FLN; FMD; MNS; OPD; ABPX; CSBS; CVD1; FLN1; NHBP; OPD1; OPD2; XLVD; XMVD; FLN-A; ABP-280
Swissprot	P21333

Target 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.
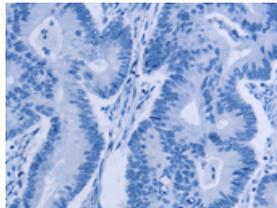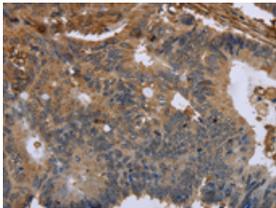
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human colon cancer
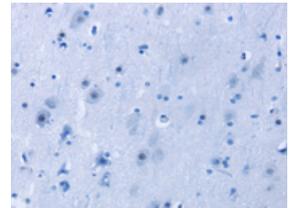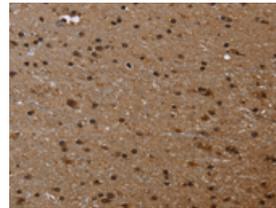
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml222376(FLNA Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human brain   tissue using ml222376(FLNA Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:281 kDa

Positive control:PC3, NIH/3T3 and HUVEB cells

Recommended dilution: 1000-5000

Gel: 6%SDS-PAGE
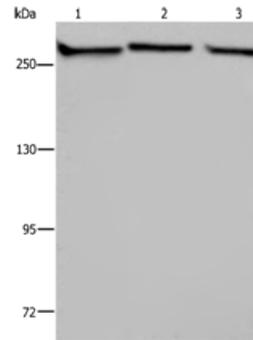
Lysate: 40 μg

Lane 1-3: PC3 cells, NIH/3T3 cells, HUVEB cells

Primary antibody: ml222376(FLNA Antibody) at dilution 1/1100

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds

ELISA

Recommended dilution: 2000-10000