Datasheet for ABIN7601783

# anti-Filamin A antibody (AA 451-638)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | Filamin A (FLNA) |
| Binding Specificity: | AA 451-638 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Filamin A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

| | |
|---|---|
| Purpose: | Anti-Filamin A/FLNA Antibody Picoband® (monoclonal, 3F8) |
| Immunogen: | E.coli-derived human Filamin A/FLNA recombinant protein (Position: E451-Q638). |
| Clone: | 3F8 |
| Isotype: | IgG1 |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-Filamin A/FLNA Antibody Picoband® (monoclonal, 3F8) (ABIN7601783). Tested in IF, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |

## Product Details

| | |
|---|---|
| Purification: | Immunogen affinity purified. |

## Target Details

| | |
|---|---|
| Target: | Filamin A (FLNA) |
| Alternative Name: | FLNA (FLNA Products) |
| Background: | Synonyms: T-cell surface glycoprotein CD5, Lymphocyte antigen T1/Leu-1, CD5, CD5, LEU1<br>Tissue Specificity: Brain, liver, placenta, lymphocytes and erythrocytes.<br>Background: Filamin A, alpha (FLNA) is a protein that in humans is encoded by the FLNA gene. It is mapped to Xq28. 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. |
| Molecular Weight: | 281 kDa |
| UniProt: | P21333 |
| Pathways: | TCR Signaling, Maintenance of Protein Location |

## Application Details

| | |
|---|---|
| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human<br>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human<br>Immunofluorescence, 5 µg/mL, Human |

1. Gorlin JB, Henske E, Warren ST, Kunst CB, D'Urso M, Palmieri G, Hartwig JH, Bruns G, Kwiatkowski DJ (October 1993). "Actin-binding protein (ABP-280) filamin gene (FLN) maps telomeric to the color vision locus (R/GCP) and centromeric to G6PD in Xq28". Genomics. 17 (2): 496-8. 2. Robertson SP, Twigg SR, Sutherland-Smith AJ, Biancalana V, Gorlin RJ, Horn D, Kenwrick SJ, Kim CA, Morava E, Newbury-Ecob R, Orstavik KH, Quarrell OW, Schwartz CE, Shears DJ, Suri M, Kendrick-Jones J, Wilkie AO (March 2003). "Localized mutations in the gene encoding the cytoskeletal protein filamin A cause diverse malformations in humans". Nat Genet. 33 (4): 487-91. 3. Gräber P, Witt HT (February 1976). "Relations between the electrical

## Application Details

| | |
|---|---|
| | potential, pH gradient, proton flux and phosphorylation in the photosynthetic membrane". Biochimica et Biophysica Acta. 423 (2): 141-63. |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |