

Datasheet for ABIN7601782
anti-Filamin A antibody (AA 451-638)



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Overview

Quantity:	100 µg
Target:	Filamin A (FLNA)
Binding Specificity:	AA 451-638
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Filamin A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Filamin A/FLNA Antibody Picoband®
Immunogen:	E.coli-derived human Filamin A/FLNA recombinant protein (Position: E451-Q638).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Filamin A/FLNA Antibody Picoband® (ABIN7601782). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	Filamin A (FLNA)
Alternative Name:	FLNA (FLNA Products)
Background:	Synonyms: Filamin-A; FLN-A; Actin-binding protein 280; ABP-280; Alpha-filamin; Endothelial actin-binding protein; Filamin-1; Non-muscle filamin; FLNA; FLN, FLN1 Tissue Specificity: Ubiquitous. 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, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 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
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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, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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.