

## Anti-FLNC Polyclonal Antibody

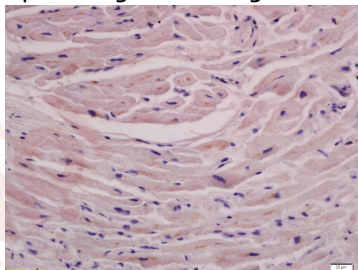
### Product Details

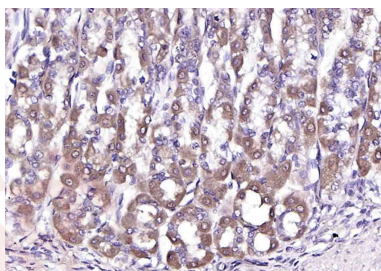
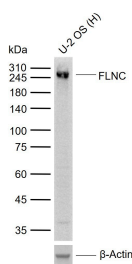
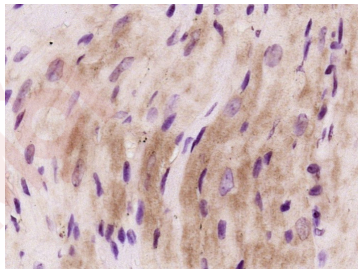
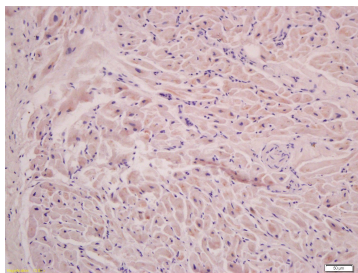
Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse, Sheep, Chimpanzee)
Molecular Weight:	Theoretical: 300 kDa. Actual: 280 kDa.
Purification:	Protein A purified

### Applications

1. Tissue/cell: rat cardiac muscle; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FLNC Polyclonal Antibody, Unconjugated (TMAB-00687) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
2. Tissue/cell: rat cardiac muscle; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FLNC Polyclonal Antibody, Unconjugated (TMAB-00687) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
3. Paraformaldehyde-fixed, paraffin embedded (Mouse heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FLNC) Polyclonal Antibody, Unconjugated (TMAB-00687) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. Sample:  
Lane 1: Human U-2 OS cell lysates  
Primary: Anti-FLNC (TMAB-00687) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 300 kDa  
Observed band size: 280 kDa
5. Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (FLNC) Polyclonal Antibody, Unconjugated (TMAB-00687) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Filamin 2

Antigen Species: Human

Gene ID: 2318

Uniprot ID: Q14315

Synonyms: Filamin-C;Protein FLNc;gamma actin binding protein;gamma filamin;ABP L;Filamin 2;Actin binding like protein;Filamin C;Actin-binding-like protein;Actin binding protein 280;ABPL;FLN-C;FLN2;ABP-L;FLJ10186;ABP 280;ABP280;ABP-280-like protein;Filamin C gamma;Filamin2;FLN 2;FLNC

### Research Background

Filamins are Actin-binding proteins which contain an N-terminal Actin-binding domain, a membrane glycoprotein domain and a C-terminal self-association domain. Filamins help reshape the cytoskeleton by forming flexible cross-links between two Actin filaments, which maintain membrane integrity during force application. Filamins also participate in signal transduction pathways associated with cell motility, adhesion, differentiation and survival, and force transduction. The filamin family is comprised of Filamin 1, Filamin 2 and Filamin 3. Filamin 2, also designated Filamin C, is a skeletal- and cardiac-muscle specific form of Filamin, which binds  $\alpha$ -sarcoglycan and  $\beta$ -sarcoglycan, but not  $\gamma$ -sarcoglycan or  $\delta$ -sarcoglycan. Muscular dystrophy, an inherited group of disorders resulting in progressive weakness of muscles in the body, is associated with irregular subcellular localization of Filamin 2 caused by a deficiency in KY, a protein that interacts with Filamin 2.

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