

anti- beta actin antibody

Product Information

Catalog No.:	FNab00872
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
IsoType:	IgM
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

Background

Beta actin, also named as ACTB and F-Actin, belongs to the actin family. Actins are highly conserved globular proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. At least six isoforms of actins are known in mammals and other vertebrates: alpha(ACTC1, cardiac muscle 1), alpha 1(ACTA1, skeletal muscle) and 2(ACTA2, aortic smooth muscle), beta(ACTB), gamma 1(ACTG1) and 2(ACTG2, enteric smooth muscle). Beta and gamma 1 are two non-muscle actin proteins. Most actins consist of 376aa, while ACTG2(rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. Beta actin has been widely used as the internal control in RT-PCR and Western Blotting as a 42-kDa protein. However, the 41 kDa cleaved fragment of beta actin can be generated during apoptosis process. This antibody was generated against N-terminal region of human beta actin protein and can cross-react with other actins.

Immunogen information

Immunogen:	actin, beta
Synonyms:	ACTB, Actin, actin, beta, Actin, cytoplasmic 1, B actin, Beta actin, F actin, β actin
Calculated MW:	42 kDa
Uniprot ID :	P60709

Application

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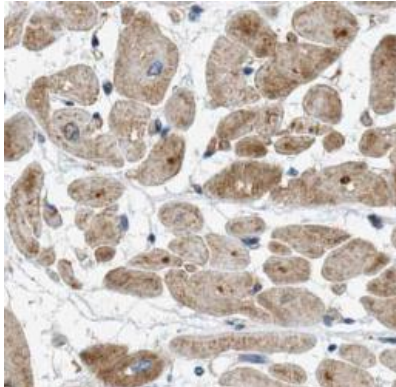
www.fn-test.com

Specificity: Human, Mouse, Rat

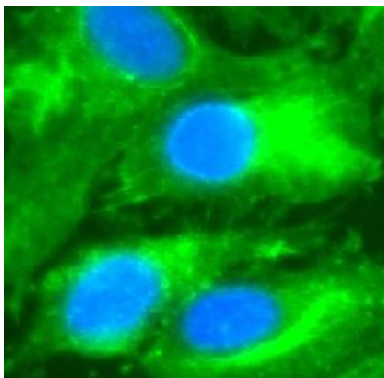
Tested Application: ELISA, IHC, WB, IF, FC

Recommended dilution: WB: 1:2000-1:20000; IHC: 1:50-1:500; IF: 1:20-1:200

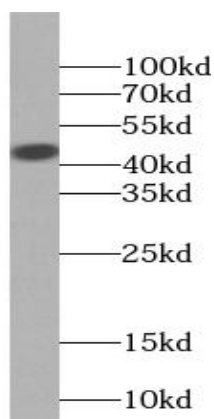
Image:



Immunohistochemistry of paraffin-embedded human heart slide using FNab00872(beta actin Antibody) at dilution of 1:50



Immunofluorescent analysis of HeLa cells using FNab00872 (beta actin Antibody) at dilution of 1:50 and FITC-labeled goat anti-mouse IgG (green)



A549 cells were subjected to SDS PAGE followed by western blot with FNab00872(ACTB antibody) at dilution of 1:2000