

anti- ACTN4 antibody

Product Information

Catalog No.:	FNab00123
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein(Probable). Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation(PubMed:15772161). Involved in tight junction assembly in epithelial cells probably through interaction with MICALL2. Links MICALL2 to the actin cytoskeleton and recruits it to the tight junctions(By similarity). May also function as a transcriptional coactivator, stimulating transcription mediated by the nuclear hormone receptors PPARG and RARA(PubMed:22351778).

Immunogen information

Immunogen:	actinin, alpha 4
Synonyms:	ACTININ 4, actinin, alpha 4, ACTN4, Alpha actinin 4, DKFZp686K23158, F actin cross linking protein, FSGS, FSGS1, Non muscle alpha actinin 4
Observed MW:	105 kDa
UniprotID :	O43707

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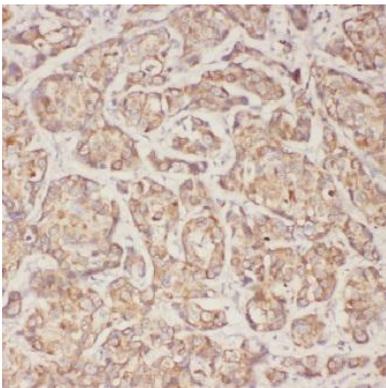
Application

Reactivity: Human, Mouse, Rat

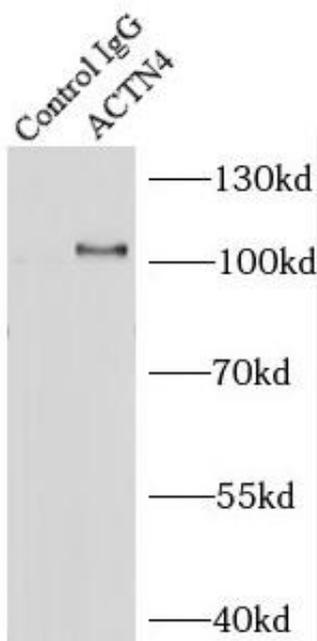
Tested Application: ELISA, WB, IHC, IF, IP, FC

Recommended dilution: WB: 1:500-1:5000; IHC: 1:20-1:200; IP: 1:500-1:5000; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab00123(ACTN4 antibody) at dilution of 1:100



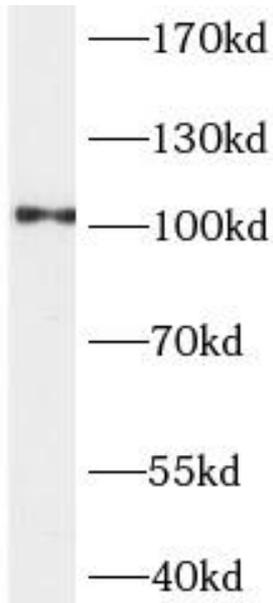
IP Result of anti-ACTN4 (IP:FNab00123, 5ug; Detection:FNab00123 1:1000) with HeLa cells lysate 3000ug.

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HepG2 cells were subjected to SDS PAGE followed by western blot with FNab00123(ACTN4 antibody) at dilution of 1:500