

Product Datasheet

Alpha Actinin 4 Rabbit Polyclonal Antibody (orb10038)

Catalog Number	orb10038
Category	Antibodies
Description	Alpha Actinin 4 Rabbit Polyclonal Antibody
Target	ACTN4
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Gallus, Porcine, Rabbit
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Actinin alpha 4 (811-911/911aa)
UniProt ID	O43707

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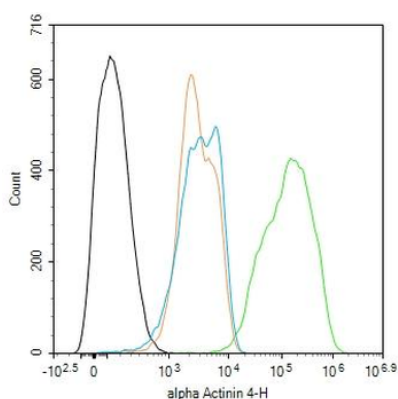
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RRID	AB_10752659
MW	105 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2ug/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (black line): U251. Primary Antibody (green line): Rabbit Anti-alpha Actinin 4 antibody (orb10038), Dilution: 2 ug/Test, Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488, Dilution: 0.5 ug/Test. Isotype control (orange line): Normal Rabbit IgG, Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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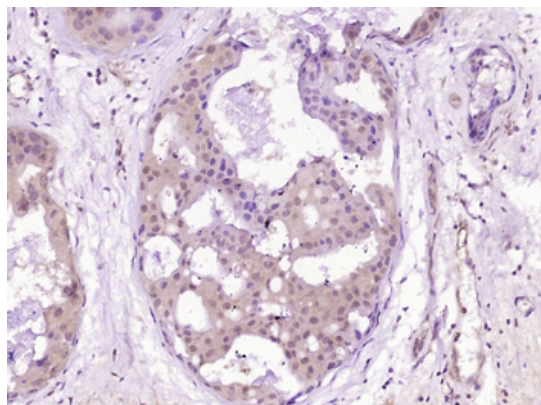
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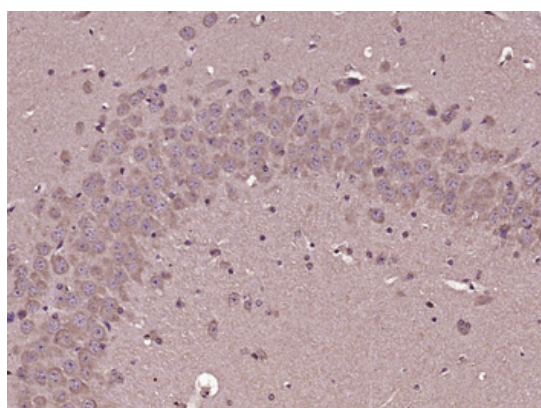
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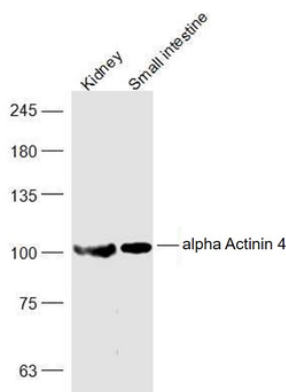
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Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (alpha Actinin 4-Loading Control) Polyclonal Antibody, Unconjugated (orb10038) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (alpha Actinin 4-Loading Control) Polyclonal Antibody, Unconjugated (orb10038) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Kidney (Rat) Lysate at 40 ug, Small intestine (Mouse) Lysate at 40 ug, Primary: Anti-alpha Actinin 4-Loading Control (orb10038) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 105 kD, Observed band size: 105 kD.

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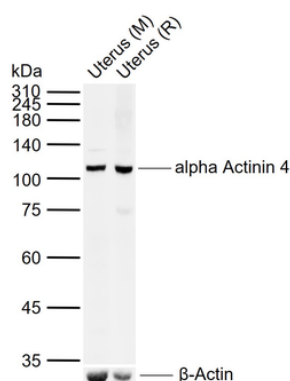
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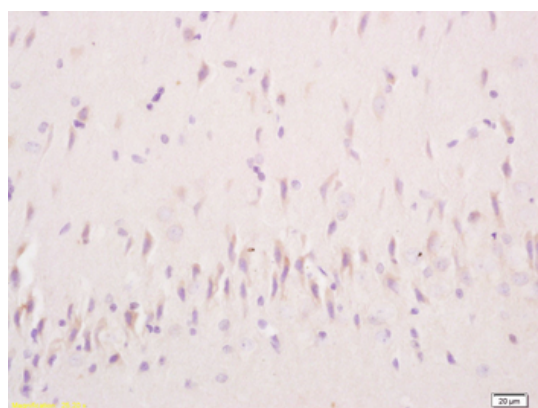
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Sample: Lane 1: Mouse Uterus tissue lysates, Lane 2: Rat Uterus tissue lysates, Primary: Anti-alpha Actinin 4 (orb10038) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 105 kDa, Observed band size: 105 kDa.



Tissue/cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), 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-alpha-Actinin-4 Polyclonal Antibody, Unconjugated (orb10038) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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