

Product Datasheet

beta-Actin Antibody (4C2)

NBP1-97721

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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beta-Actin Antibody (4C2)

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	4C2
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	60
Gene Symbol	ACTB
Species	Human, Mouse, Rat, Porcine, Chicken, Mammal, Rabbit
Reactivity Notes	Human, Porcine, Rabbit and Rat. The epitope recognized by Clone 4C2 is highly conserved and the antibody is therefore expected to react with amny other species.
Specificity/Sensitivity	The monoclonal antibody Anti-b-CYA, clone 4C2 is an antibody against beta cytoplasmic actin, the antibody is highly specific for beta-cytoplasmic actin and does not cross react with other actin isoforms.
Immunogen	Peptide comprising the N-terminal nonapeptide of beta-cytoplasmic actin with an acetylated N-terminus (Ac-DDDIAALVV-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100 - 1:500, Immunohistochemistry-Frozen
Application Notes	Optimal antibody dilution should be determined by titration; recommended range is 1:100 - 1:500 for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent.

Publications

Tomasek JJ, Haaksma CJ, Schwartz RJ, Howard EW. Whole animal knockout of smooth muscle alpha-actin does not alter excisional wound healing or the fibroblast-to-myofibroblast transition Wound Repair Regen 2013-01-01 [PMID: 23253249] (WB, Mouse)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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