

Product Datasheet

Actin Gamma 1 Antibody (2A3) [Alexa Fluor™ Plus 647] NBP1-97720AFP647

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-97720AFP647

Actin Gamma 1 Antibody (2A3) [Alexa Fluor™ Plus 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	2A3
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Conjugate	Alexa Fluor Plus 647
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	71
Gene Symbol	ACTG1
Species	Human, Mouse, Rat, Porcine, Chicken, Rabbit, Zebrafish
Reactivity Notes	The epitope recognized is highly conserved. The antibody therefore cross-reacts with many species including protochordates, lower craniates and mammals. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This mouse monoclonal IgG2b antibody highly specific for gamma-cytoplasmic actin (Actin Gamma 1; encoded by ACTG1). It does not cross-react with the Actin Gamma 1 isoform expressed in the enteric smooth muscle tissues (actin gamma 2; encoded by ACTG2).
Immunogen	Derived by fusion of NS0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with a peptide comprising the N-terminal nonapeptide of gamma-cytoplasmic actin with an acetylated N-terminus (Ac-EEEEIAALVI-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue. The antibody does not cross react with other actin isoforms.



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Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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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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