

Product Datasheet

Actin Antibody (5C5) NB120-7799

Unit Size: 0.5 ml

Store at 4C.

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NB120-7799

Actin Antibody (5C5)

Product Information	
Unit Size	0.5 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	5C5
Preservative	0.09% Sodium Azide
Isotype	IgM
Purity	Ascites
Buffer	Ascites
Product Description	
Host	Mouse
Gene ID	58
Gene Symbol	ACTA1
Species	Human, Mouse, Rabbit
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26567220). Cross-reacts with sheep, bovine, guinea pig, rat, frog, snake and carp. Not yet tested in other species.
Specificity/Sensitivity	Monoclonal anti-ALPHA-sarcomeric actin has been used as a marker for rhabdomyosarcoma. This reacts with a-skeletal and a-cardiac muscle actins. It does not react with smooth muscle tissue.
Immunogen	BALB/C mice were injected with purified rabbit striated muscle actin.
Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 1:25-1:50
Application Notes	This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 26567220)

Images

Immunohistochemistry-Paraffin: Actin Antibody (5C5) [NB120-7799] - Formalin fixed paraffin embedded human skeletal muscle stained with Actin Sarcomeric antibody (NB120-7799).



Publications

Wei W, Zhang WY, Bai JB et al. The NF- κ B modulated miR-195/497 inhibit myoblast proliferation by targeting Igf1r/Insr and cyclin genes. *J. Cell. Sci.* 2015-11-13 [PMID: 26567220] (ICC/IF, Mouse)

Details:
Actin Alpha 1 Skeletal Muscle/ACTA1 antibody used for ICC/IF on C2C12 mouse myoblast cells that were differentiated for 0 and 4 days (Fig 1).



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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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