

# Product Datasheet

## Actin Antibody (3B3) - BSA Free NBP1-97723

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 11/1/2024 v.20.1

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**NBP1-97723**

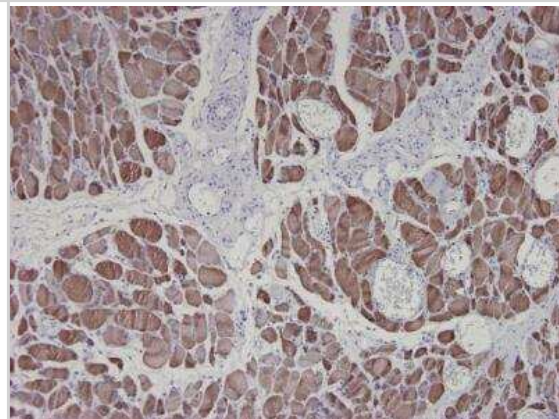
Actin Antibody (3B3) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3B3
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS, pH 7.2
Product Description	
Description	The antibody is shipped at ambient temperature and may be stored at 4C. For prolonged storage prepare appropriate aliquots and store at or below -20C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at 4C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.
Host	Mouse
Gene ID	58
Gene Symbol	ACTA1
Species	Human, Rat, Porcine, Goat, Rabbit
Reactivity Notes	The epitope recognized by Clone 3B3 is highly conserved and the antibody is therefore expected to react with many other species.
Specificity/Sensitivity	This antibody highly specific for alpha-skeletal actin, and does not cross react with other actin isoforms.
Immunogen	This antibody is a mouse monoclonal IgG1 antibody 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 alpha-skeletal actin with an acetylated N-terminus (Ac-DEDETTALVC-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:5000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000
Application Notes	This antibody is suitable for immunohistochemistry on frozen and paraffin-embedded tissues, immunoblotting and ELISA. Optimal antibody dilutions should be determined by titration; recommended range is 1:100 - 1:1000 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:1000 - 1:5000 for immunoblotting applications.

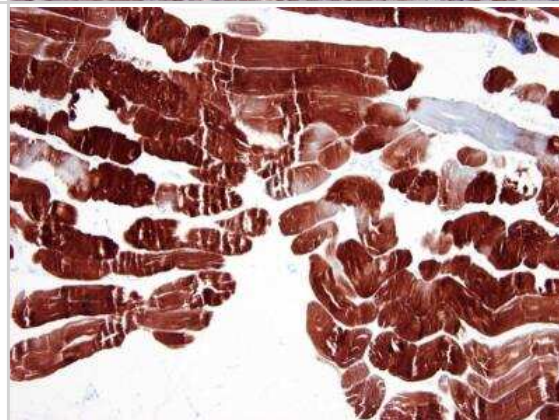


## Images

Immunohistochemistry-Paraffin: Actin Antibody (3B3) [NBP1-97723] - Striated muscle from human tongue immunostained with 3B3 (1250).



Immunohistochemistry-Paraffin: Actin Antibody (3B3) [NBP1-97723] - Paraffin sections of human striated skeletal muscle.





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### Products Related to NBP1-97723

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000058-P01-10ug	Recombinant Human Actin GST (N-Term) Protein

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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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