

Actin Monoclonal Antibody (mAbGEa)

Product Details	
Size	100 µL
Species Reactivity	Bovine, Fruit fly, Human, Mouse, Sheep, Plant, Rat, Xenopus, Yeast, Zebrafish
Published Species	Yeast, Pig, Rat, Bacteria, Plant, Human, Mouse, Xenopus
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	mAbGEa
Conjugate	Unconjugated
Immunogen	Purified Arabidopsis actin protein.
Form	Liquid
Storage buffer	ascites
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2223496

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:1,000	80 Publications
ELISA (ELISA)	✓	Assay dependent	1 Publication
Immunohistochemistry (IHC)	✓	1:100	2 Publications
Immunoprecipitation (IP)	-		1 Publication
ChIP assay (ChIP)	-		1 Publication
Miscellaneous PubMed (MISC)	-		3 Publications
Immunofluorescence (IF)	✓	1:10-1:100	2 Publications
Immunocytochemistry (ICC)	✓	1:10-1:100	1 Publication

Product Specific Information

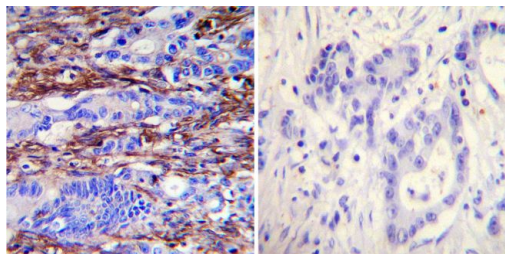
MA1-744 detects actin protein in human, mouse, rat, bovine, sheep, drosophila, zebra fish (Danio rerio), yeast, arabidopsis and xenopus samples. This antibody has shown cross-reactivity with actin 1, 2, 3, 4, 7, 8, 11 and 12.

MA1-744 has successfully been used in Western blot and ELISA procedures. By Western blot, this antibody detects a 45 kDa protein representing actin.

The MA1-744 immunogen is purified actin protein from Arabidopsis.

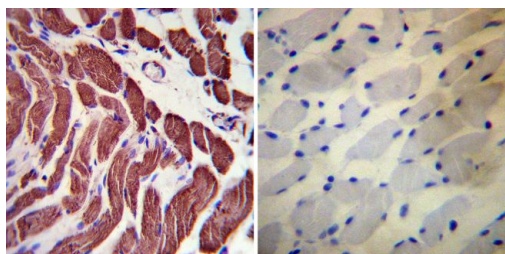
Product Images For Actin Monoclonal Antibody (mAbGEa)

Actin Antibody (MA1-744) in IHC



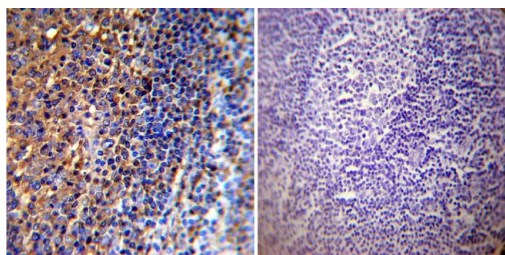
Immunohistochemistry was performed on cancer biopsies of deparaffinized Human colon carcinoma tissues. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:1000 with a mouse monoclonal antibody recognizing Anti-Actin (Product # MA1-744) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

Actin Antibody (MA1-744) in IHC



Immunohistochemistry was performed on normal deparaffinized Human skeletal muscle tissues. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:1000 with a mouse monoclonal antibody recognizing Anti-Actin (Product # MA1-744) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

Actin Antibody (MA1-744) in IHC



Immunohistochemistry was performed on normal deparaffinized Human tonsil tissue tissues. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:1000 with a mouse monoclonal antibody recognizing Anti-Actin (Product # MA1-744) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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91 References

Western Blot (80)

Communications biology

Conserved Pbp1/Ataxin-2 regulates retrotransposon activity and connects polyglutamine expansion-driven protein aggregation to lifespan-controlling rDNA repeats.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Western Blot"

Authors: Ostromski LA, Hall AC, Szafranski KJ, Oshidari R, Abraham KJ, Chan JNY, Krustev C, Zhang K, Wang A, Liu Y, Guo R, Mekhail K

Species
Not Applicable

Dilution
Not Cited

Year
2018

Veterinary research

MicroRNA expression profiling of goat peripheral blood mononuclear cells in response to peste des petits ruminants virus infection.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Western Blot"

Authors: Qi X, Wang T, Xue Q, Li Z, Yang B, Wang J

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

ELISA (1)

Experimental and therapeutic medicine

Combination treatment of captopril and prazosin to treat patients with gestational hypertension.

Authors: Hong B, Ding X, lia H, Zhang J

Species
Human

Dilution
Not Cited

Year
2018

Immunohistochemistry (2)

Molecules (Basel, Switzerland)

Polyphenols from *Tamarix nilotica*. LCESI-MSⁿ Profiling and In Vivo Antifibrotic Activity.

"Published figure using Actin monoclonal antibody (Product # MA1-744) in Immunohistochemistry"

Authors: Sekkien A, Swilam N, Ebada SS, Esmat A, El-Khatib AH, Linscheid MW, Singab AN

Species
Not Applicable

Dilution
Not Cited

Year
2018

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