

# ACTB Monoclonal Antibody

Catalog No: tcba13639



## Available Sizes

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**Size:** 50ul

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**Size:** 100ul

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**Size:** 200ul

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## Specifications

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**Application:**

WB,IHC,IF

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**Research Area:**

Epigenetics & Nuclear Signaling,Epigenetic Modifications,Epigenetic Modifications\_Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Epigenetic Modifications\_Methylation,

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**Species Reactivity:**

Human,Mouse,Rat

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**Host Species:**

Mouse

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**Immunogen / Amino acids:**

Fusion protein of human  $\beta$ -actin

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**Conjugation:**

Unconjugated

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**Clonality:**

Monoclonal

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**Isotype:**

IgG

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**Storage Buffer:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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**Recommended Dilution:**

WB 1:10000 - 1:100000

IHC 1:100- 1:200

IF 1:50- 1:200

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**Storage Instruction:**

Store at -20°C. Avoid freeze / thaw cycles.

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**SwissProt:**

P60709

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**Gene ID:**

60 (human);

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**Calculated Molecular Weight:**

41kDa

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**Purification:**

Affinity purification

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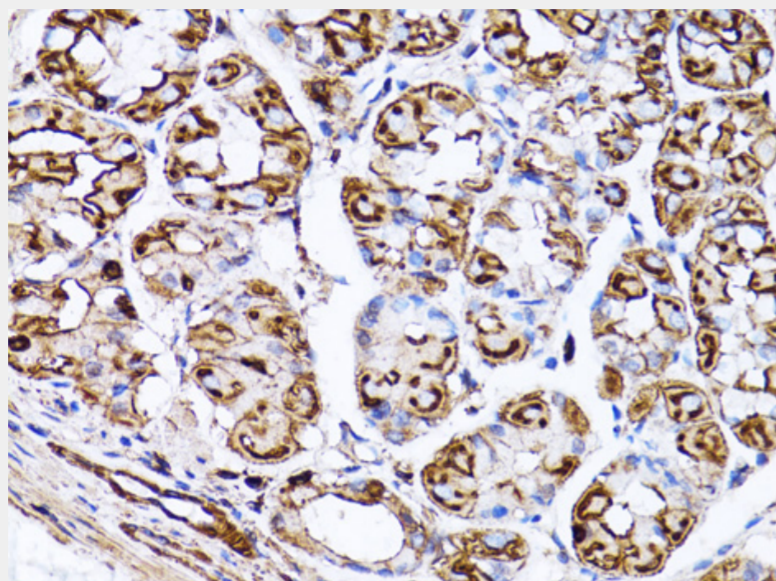
**Cellular Location:**

Cytoplasm, cytoskeleton,

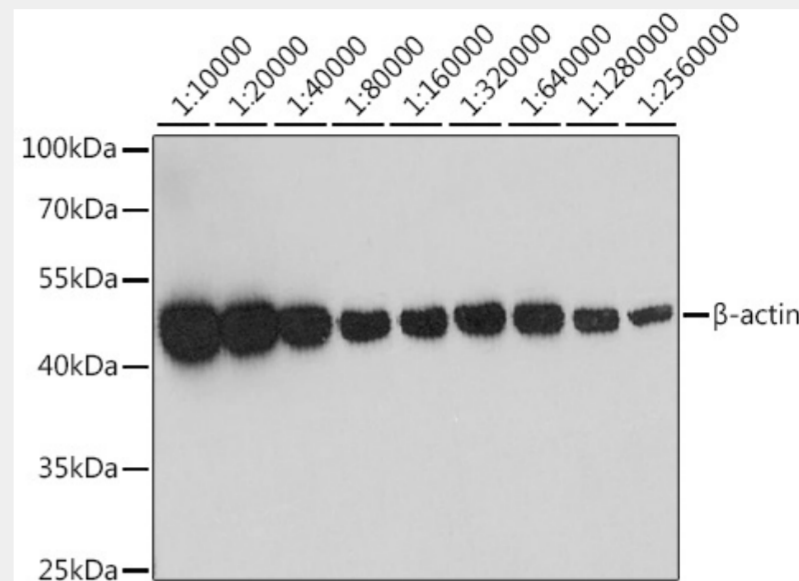
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**Product Description**

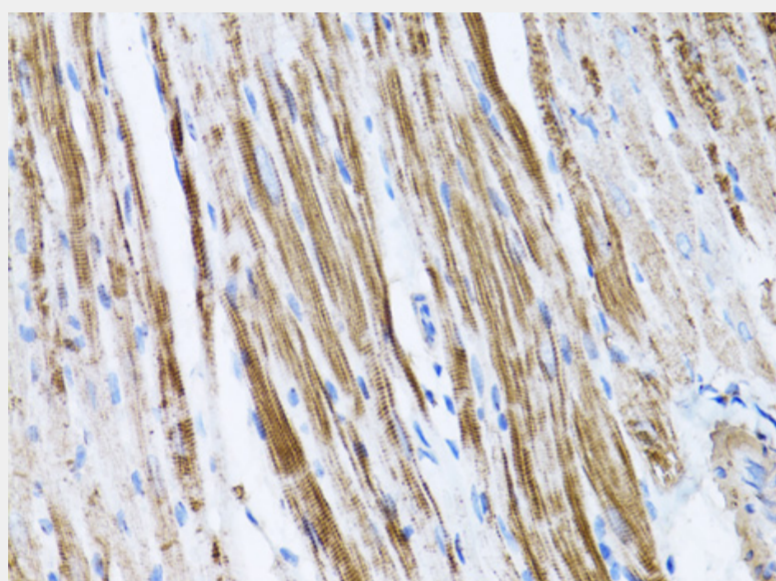
This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.



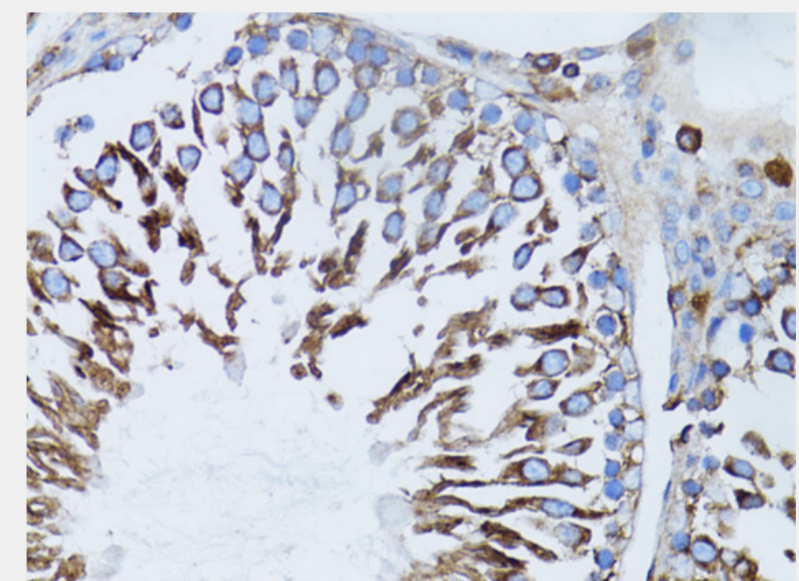
Western blot analysis of extracts of various cell lines, using  $\beta$ -actin antibody at 1:80000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit.  
Exposure time: 1s.



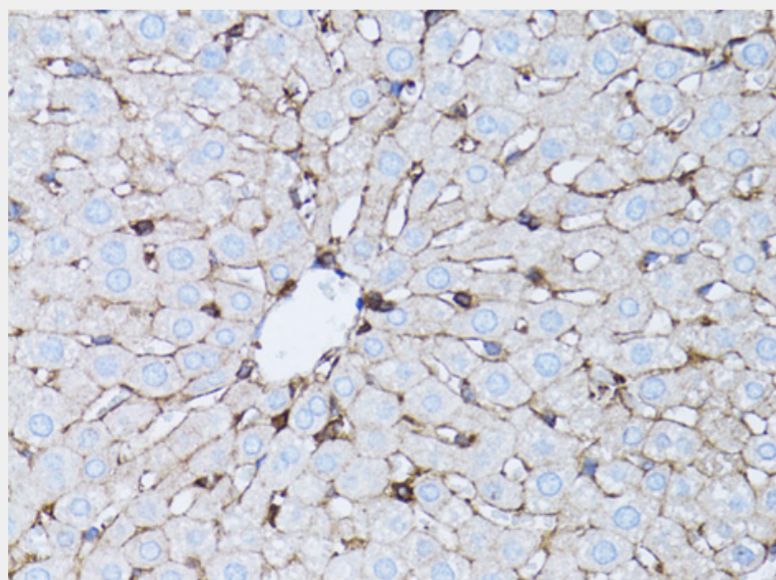
Immunohistochemistry of paraffin-embedded mouse heart using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



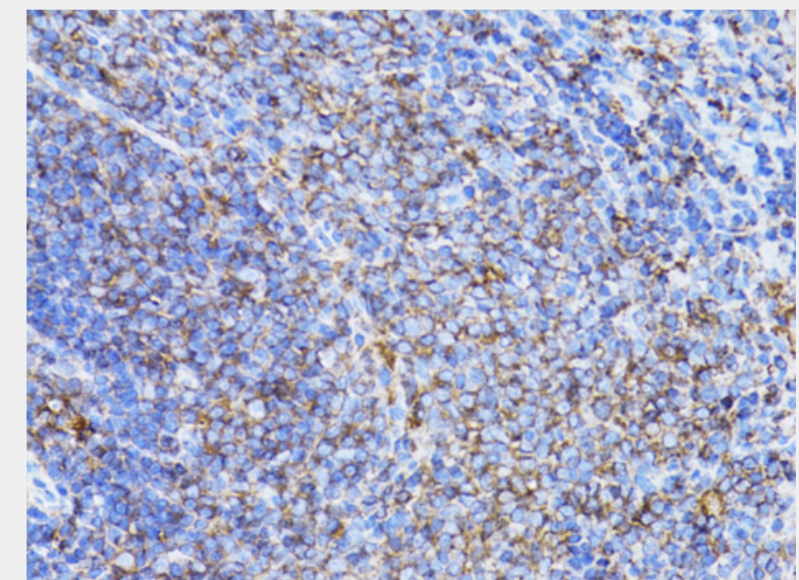
Western blot analysis of extracts of NIH/3T3 cells, using  $\beta$ -actin antibody at 1:10000-1:2560000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit.  
Exposure time: 30s.



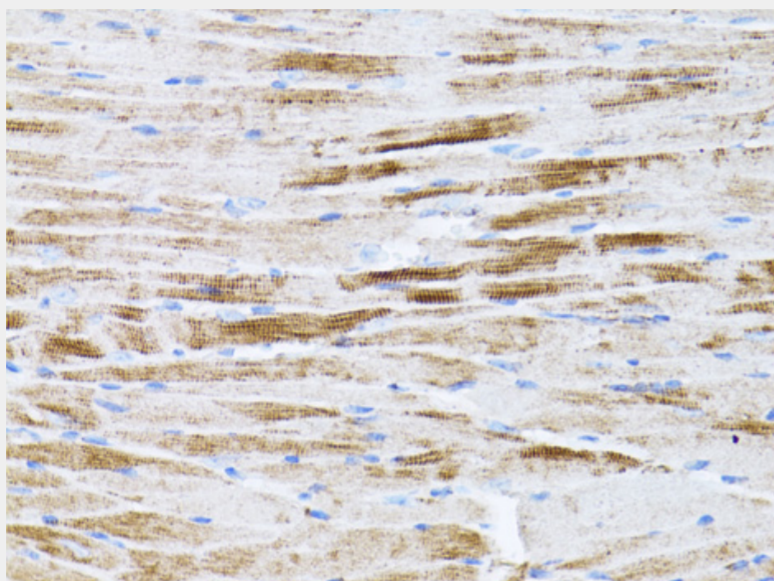
Immunohistochemistry of paraffin-embedded rat liver using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



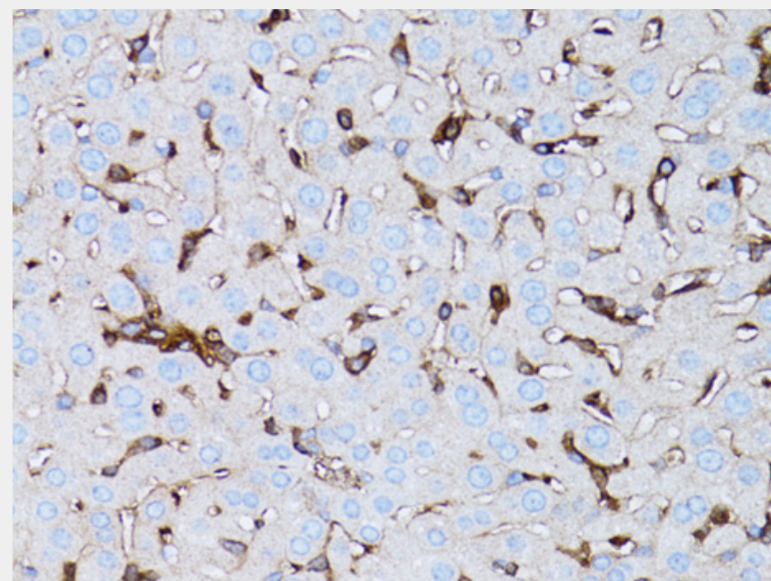
Immunohistochemistry of paraffin-embedded rat testis using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



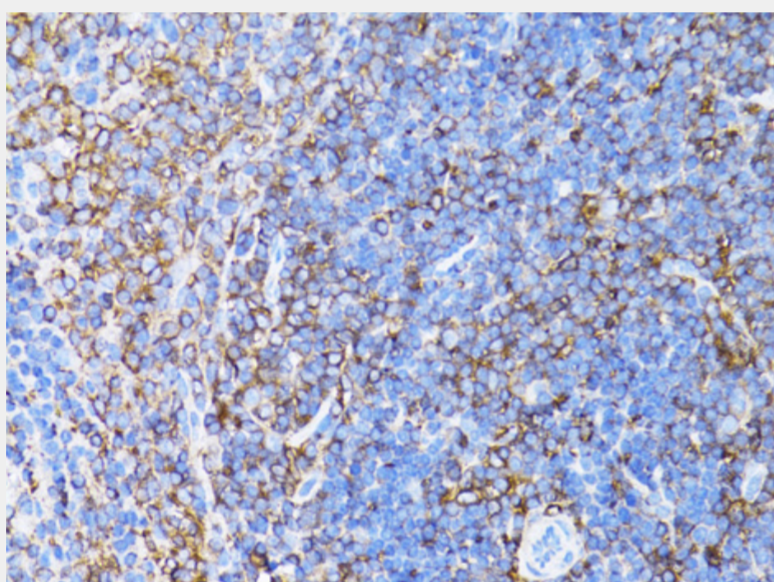
Immunohistochemistry of paraffin-embedded rat spleen using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



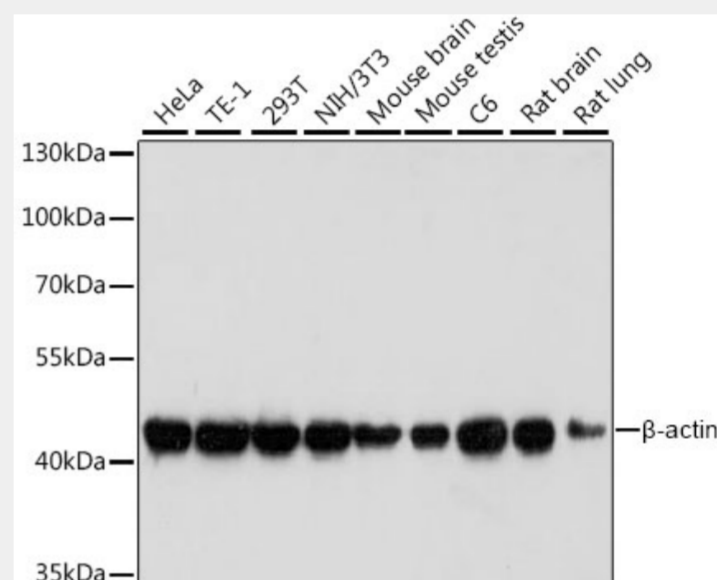
Immunohistochemistry of paraffin-embedded rat heart using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using  $\beta$ -actin antibody at dilution of 1:500 (40x lens).

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!