Anti-Î²-Actin Mouse Monoclonal Antibody

Description

Product name	Anti-Î²-Actin Mouse Monoclonal Antibody (1C7)
Immunogen	Synthetic Peptide
Host	Mouse
Reactivity	Chicken, Dog, Hamster, Human, Insect, Monkey, Mouse, Rabbit, Rat
Applications	IF, IHC-P, WB
Applications notes	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:10000), IHC-P (1:400), IF (1:100-1:400).
Clonality	Monoclonal
Preparation method	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Alternative	ACTB; Actin; cytoplasmic 1; Beta-actin

Product Properties

Formulation	Liquid solution
Concentration	1 mg/ml
Storage buffer	Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.
Storage instructions	Stable for one year at -20Â°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.
Shipping	Gel pack with blue ice.
Precautions	The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

Additional Information

Background	Î²-Actin (gene name ACTB), a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. At least six isoforms are known in mammals. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Î²-actin is a major constituent of the contractile apparatus, which is usually used as a loading control, for among others, the integrity of cells, protein degradation, in PCR and Western blotting. Its molecular weight is approximately 43 kDa.

Image & description

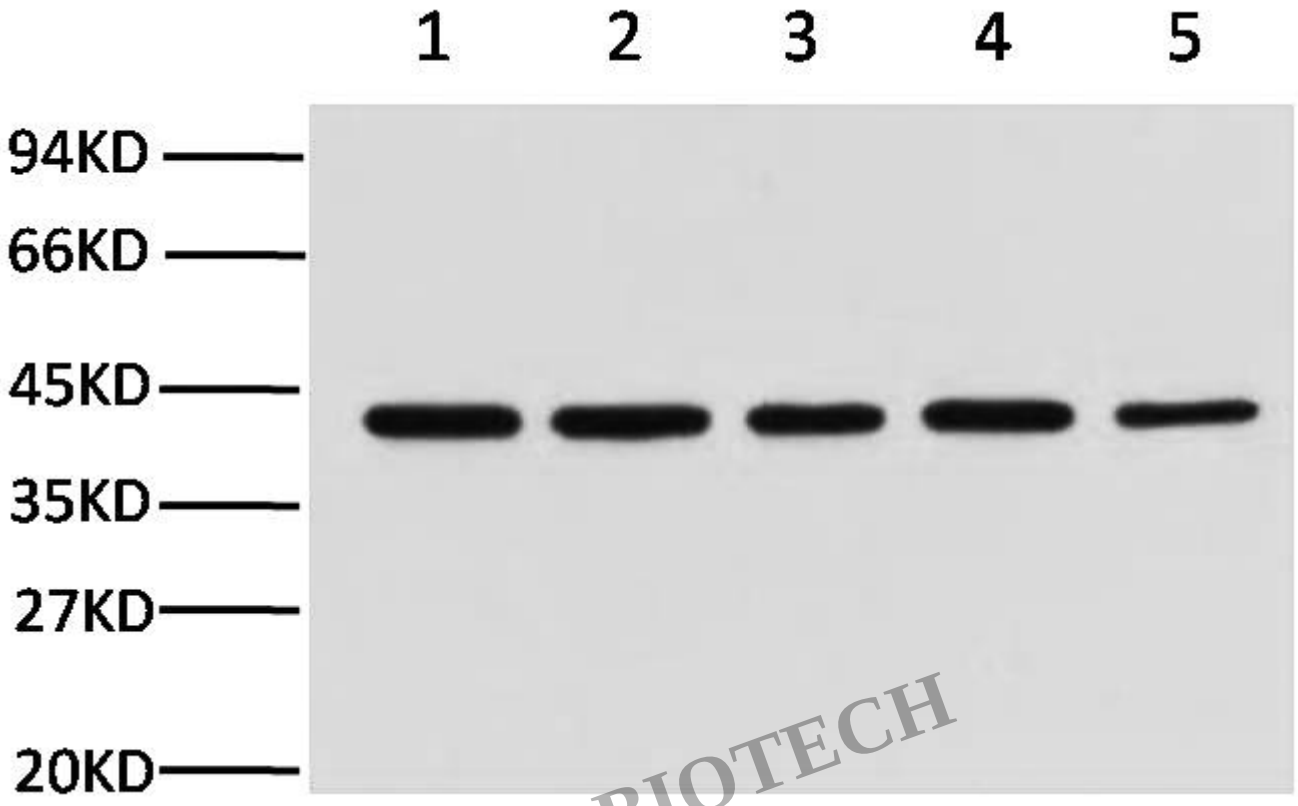

Fig.1. Western blot analysis of hela (1), rat brain (2), Mouse brain (3), chicken lung (4) and rabbit testis (5), diluted at 1:10000.

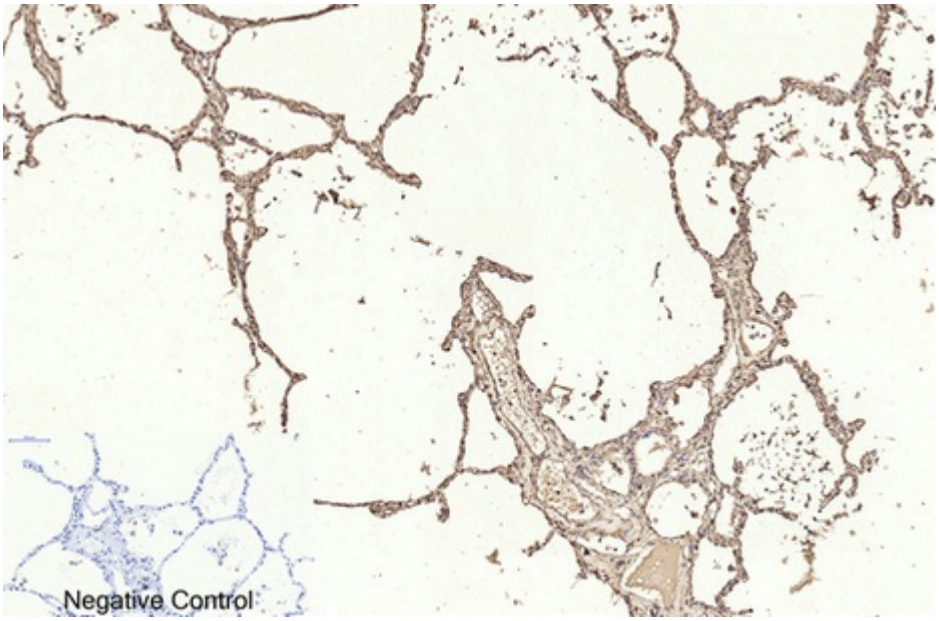

Fig.2. Immunohistochemical analysis of paraffin-embedded human lung tissue. 1, Î²-actin Monoclonal Antibody (1C7) was diluted at 1:400 (4Â°C, overnight). Negative control was used by secondary antibody only.

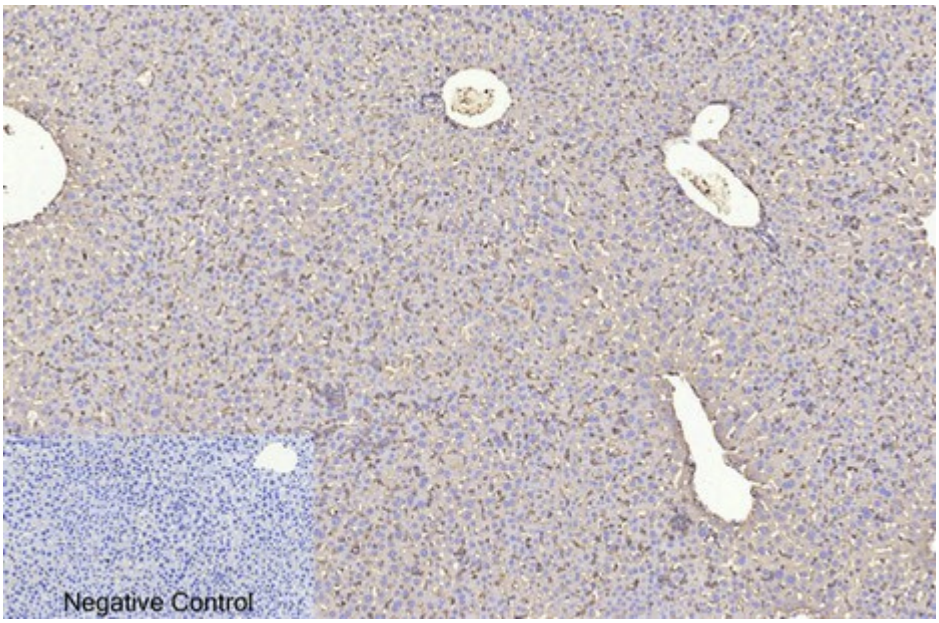

Fig.3. Immunohistochemical analysis of paraffin-embedded Mouse liver tissue. 1, Î²-actin Monoclonal Antibody (1C7) was diluted at 1:400 (4Â°C, overnight). Negative control was used by secondary antibody only.

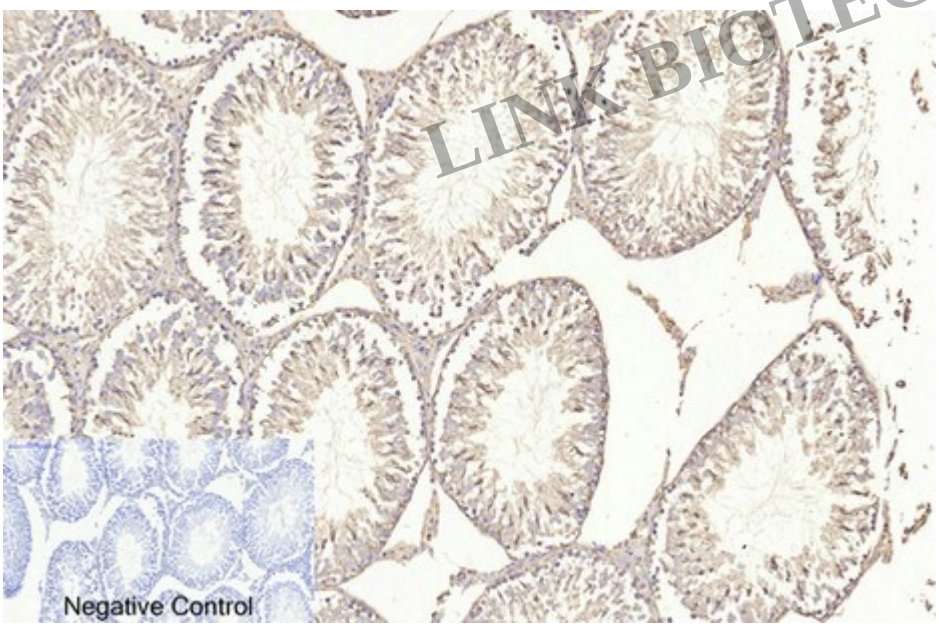

Fig.4. Immunohistochemical analysis of paraffin-embedded rat testis tissue. 1, Î²-actin Monoclonal Antibody (1C7) was diluted at 1:400 (4Â°C, overnight). Negative control was used by secondary antibody only.

Date Created
2024/07/02