



Actin α 1 Polyclonal Antibody

Cat #: ABP50591

Size: 30 μ l /100 μ l /200 μ l

Product Information

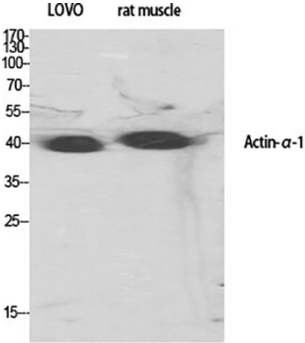
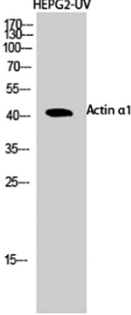
	Product Name: Actin α 1 Polyclonal Antibody		
	Applications: WB , IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP50591	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Actin, alpha 1, skeletal muscle encoded by ACTA1 belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°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.

	<p>Fig.1. Western Blot analysis of various cells using Actin α1 Polyclonal Antibody diluted at 1:500.</p>
	<p>Fig.2. Western Blot analysis of HEPG2-UV cells using Actin α1 Polyclonal Antibody diluted at 1:500.</p>

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