



IGFN1 Polyclonal Antibody

Cat #: ABP57224

Size: 30µl /100µl /200µl

Product Information

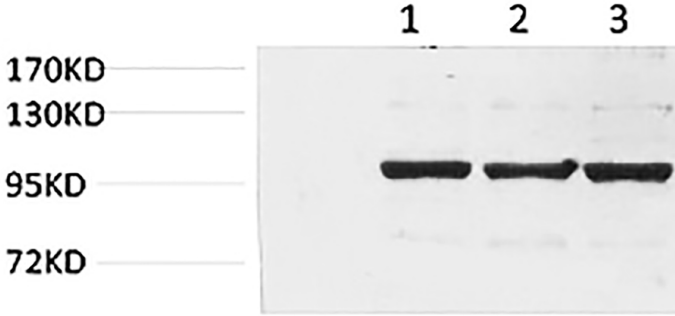
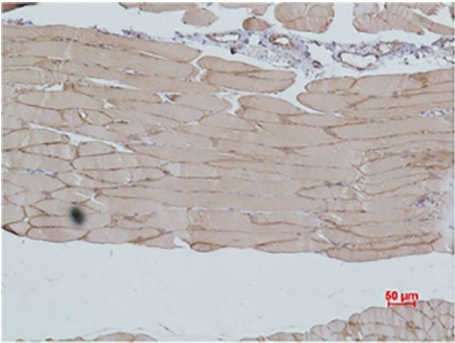
	Product Name: IGFN1 Polyclonal Antibody		
	Applications: WB, IHC-P		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP57224	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: IGFN1 (immunoglobulin-like and fibronectin type III domain containing 1) is an 868 amino acid protein that is encoded by a gene located on chromosome 1. Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3000 genes on chromosome 1, many of which are associated with a large number of diseases. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000-1:5000), IHC-P (1:200-1:500).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

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 1) Pig Skeletal MuscleTissue, 2) Rat Skeletal Muscle Tissue, 3) Rat Skeletal Muscle Tissue using IGFN1 Polyclonal Antibody. Secondary antibody (catalog#: A21020) was diluted at 1:20000.</p>
	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded Mouse Skeletal MuscleTissue using IGFN1 Polyclonal Antibody.</p>

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