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ARG20317
anti-IGF1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IGF-I
Tested Reactivity	Ms
Tested Application	Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IGF1
Species	Mouse
Immunogen	Recombinant murine IGF-I
Conjugation	Un-conjugated
Alternate Names	MGF; Insulin-like growth factor I; Mechano growth factor; Somatomedin-C; IGFI; IGF-I

Application Instructions

Application table

Application	Dilution
Neut	2-6 µg/ml
WB	0.5-4 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

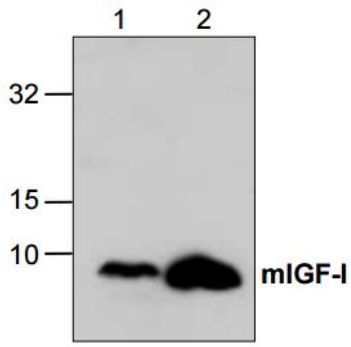
Properties

Form	Liquid
Purification	Affinity Purified Antibody
Buffer	PBS (pH 7.2), 30% Glycerol, 0.5% BSA and 0.01% Thimerosal
Preservative	0.01% Thimerosal
Stabilizer	30% Glycerol, 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 16000 Mouse Swiss-port # P05017 Mouse
Gene Symbol	Igf1
Gene Full Name	insulin-like growth factor 1
Background	IGF-I (Insulin-like Growth Factor-I) is a polypeptide growth factor that stimulates the proliferation of a wide range of cell types including muscle, bone, and cartilage tissue. Murine IGF-I is a 7.6 kDa protein containing 70 amino acid residues.
Function	The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake. May play a role in synapse maturation (By similarity). [UniProt]
Research Area	Cancer antibody; Developmental Biology antibody; Signaling Transduction antibody
Calculated Mw	22 kDa

Images



ARG20317 anti-IGF-I antibody WB image

Western Blot: 1. Recombinant murine IGF-I (250 ng) 2. Recombinant murine IGF-I (1000 ng) stained with anti-IGF-I antibody (ARG20317).