

Polyclonal Antibody to Insulin Like Growth Factor 1 (IGF1)

Insulin Like Growth Factor 1

Catalog # AP74503

Product Information

Application	WB
Primary Accession	P18254
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17267

Additional Information

Gene ID	418090
Other Names	IGFI; IGF1A; IBP1; MGF; Somatomedin C; Mechano Growth Gactor
Target/Specificity	Chicken (Gallus)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	IGF1 {ECO:0000250 UniProtKB:P05019}
Function	The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. Acts as a ligand for IGF1R. Binds to the alpha subunit of IGF1R, leading to the activation of the intrinsic tyrosine kinase activity which autophosphorylates tyrosine residues in the beta subunit thus initiating a cascade of down-stream signaling events leading to activation of the PI3K-AKT/PKB and the Ras-MAPK pathways. Binds to integrins. Its binding to integrins and subsequent ternary complex formation with integrins and IGF1R are essential for IGF1 signaling.
Cellular Location	Secreted.

Images

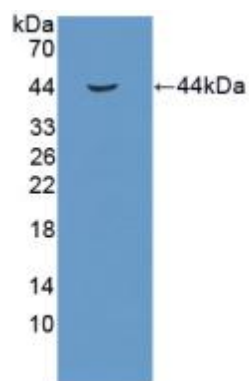


Figure. Western Blot; Sample: Recombinant IGF1, Gallus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.