

# Rabbit anti-Human; Mouse IGF-1 Polyclonal Antibody | anti-IGF-1 antibody

IGF-1 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                |
|-----------|--------|--------------|-----------------------------------------------------------------------------|
| AAA253823 | Rabbit | Human; Mouse | Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot |

## PRODUCT SYNONYMS

IGF-1; Polyclonal Antibody; IGF-1 Antibody; Rabbit Anti-Human IGF-1 Polyclonal; Insulin-like growth factor 1 Antibody; Igf1 Antibody; IGF-I Antibody; Insulin like growth factor 1 (somatomedin C) Antibody; IGF1\_HUMAN Antibody; Somatomedin-C Antibody; MGF Antibody; OTTHUMP00000195083 Antibody; Somatomeia C Antibody; Mechano growth factor Antibody; Insulin like growth factor 1 Antibody; Insulin like growth factor IA Antibody; IGF IB Antibody; IBP1 Antibody; IGF1 Antibody; Insulin-like growth factor I Antibody; IGF IA Antibody; Somatomedin C Antibody; IGF1A Antibody; IGFI Antibody; IGFA Antibody; IGF I Antibody; Insulin like growth factor IB Antibody; IGF 1 Antibody; anti-IGF-1 antibody

## PRODUCT SPECIFICATIONS

|                                                 |                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                            |
| Reactivity                                      | Human; Mouse                                                                                      |
| Clonality                                       | Polyclonal                                                                                        |
| Specificity                                     | Detects ~25 kDa.                                                                                  |
| Purity/Purification                             | Peptide Affinity Purified                                                                         |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                           |
| Sequence Length                                 | 153                                                                                               |
| Applicable Applications for anti-IGF-1 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot) |
| Immunogen                                       | Synthetic peptide from the mid-protein of Human IGF-1                                             |
| Cellular Localization                           | Secreted                                                                                          |
| Storage Buffer                                  | PBS, 50% glycerol, 0.09% sodium azide                                                             |
| Preparation and Storage                         | Store at -20 degree C.                                                                            |

## IMAGES



### WB (Western Blot)

Western blot analysis of Mouse Liver cell lysates showing detection of ~21.8 kDa IGF-1 protein using Rabbit Anti-IGF-1 Polyclonal Antibody (SPC-699). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Liver cell lysates. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-IGF-1 Polyclonal Antibody (SPC-699) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~21.8 kDa.



### ICC (Immunocytochemistry)

Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-IGF-1 Polyclonal Antibody (SPC-699). Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-IGF-1 Polyclonal Antibody (SPC-699) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) IGF-1 Antibody. (D) Composite.

ADDITIONAL INFORMATION

|                                                   |                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------|
| Product Categories/Family for anti-IGF-1 antibody | Antibodies; Cell Signaling; Growth Factors; Insulin and Insulin-like; Cancer |
|---------------------------------------------------|------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 11024682                                             |
| NCBI GeneID                      | 3479                                                 |
| NCBI Accession #                 | NP_000609.1                                          |
| NCBI GenBank Nucleotide #        | NM_000618.4                                          |
| UniProt Accession #              | P05019; P01343; Q14620; B2RWM7; E9PD02               |
| NCBI Official Full Name          | insulin-like growth factor I isoform 4 preproprotein |
| NCBI Official Synonym Full Names | insulin like growth factor 1                         |
| NCBI Official Symbol             | IGF1                                                 |
| NCBI Official Synonym Symbols    | MGF; IGFI; IGF-I                                     |
| NCBI Protein Information         | insulin-like growth factor I                         |
| UniProt Protein Name             | Insulin-like growth factor I                         |
| UniProt Gene Name                | IGF1                                                 |
| UniProt Synonym Gene Names       | IBP1; IGF-I; MGF                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.