

## Product datasheet for **TA805792**

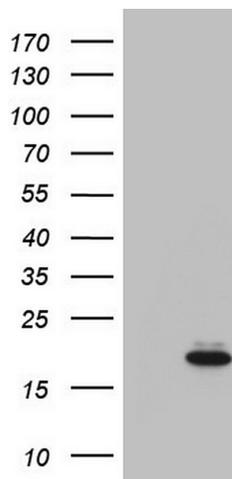
### IGF1 Mouse Monoclonal Antibody [Clone ID: OTI3A6]

#### Product data:

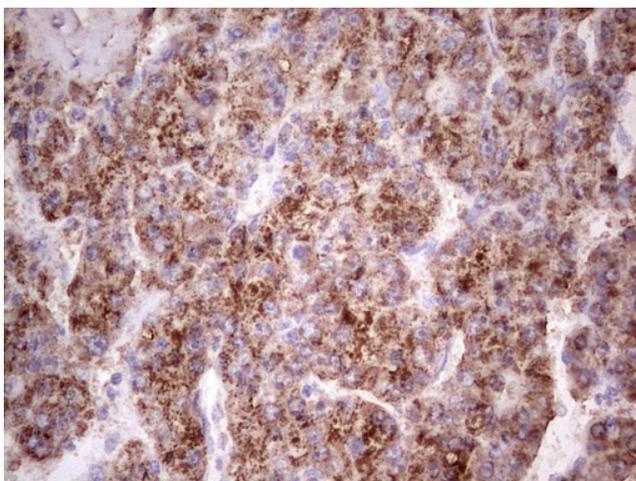
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI3A6   |
| Applications:           | IHC, WB  |
| Recommend Dilution:     | WB 1:2000, IHC 1:150   |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 1-151 of human IGF1(NP_001104753) produced in E.coli.  |
| Formulation:            | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 1 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Predicted Protein Size: | 12.4 kDa   |
| Gene Name:              | insulin like growth factor 1   |
| Database Link:          | <a href="#">NP_001104753 Entrez Gene 3479 Human</a>  |
| Background:             | The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar |
| Synonyms:               | IGF-I; IGFI; MGF   |
| Protein Families:       | Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein  |
| Protein Pathways:       | Dilated cardiomyopathy, Focal adhesion, Glioma, Hypertrophic cardiomyopathy (HCM), Long-term depression, Melanoma, mTOR signaling pathway, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer   |



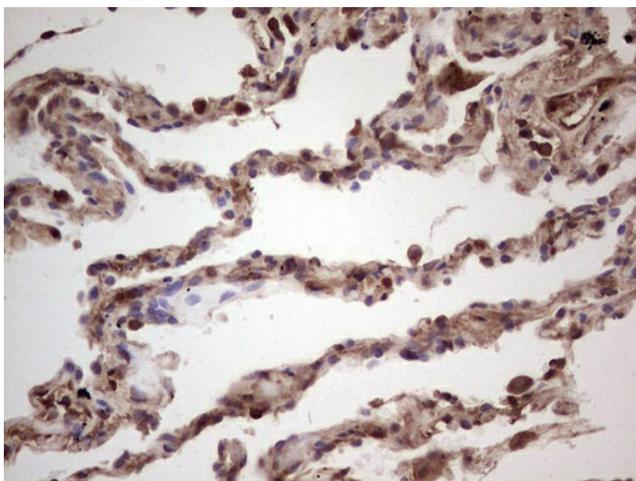
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**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IGF1 ([RC225144], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IGF1. Positive lysates [LY426358] (100ug) and [LC426358] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-IGF1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805792)



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-IGF1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805792)