

**IGF2 (aa81-93) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3604a

**Specification**

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**IGF2 (aa81-93) Antibody (internal region) - Product Information**

Application	IHC
Primary Accession	<a href="#">P01344</a>
Other Accession	<a href="#">NP_000603.1</a> , <a href="#">NP_001121070.1</a> , <a href="#">3481</a> , <a href="#">16002 (mouse)</a> , <a href="#">24483 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	20140

**IGF2 (aa81-93) Antibody (internal region) - Additional Information**

Gene ID 3481

**Other Names**

Insulin-like growth factor II, IGF-II, Somatomedin-A, T3M-11-derived growth factor, Insulin-like growth factor II, Insulin-like growth factor II Ala-25 Del, Preptin, IGF2

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IGF2 (aa81-93) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**IGF2 (aa81-93) Antibody (internal region) - Protein Information**

Name IGF2 ([HGNC:5466](#))

**Function**

The insulin-like growth factors possess growth-promoting activity (By similarity). Major fetal growth hormone in mammals. Plays a key role in regulating fetoplacental development. IGF2 is influenced by placental lactogen. Also involved in tissue differentiation. In adults, involved in glucose metabolism in adipose tissue, skeletal muscle and liver (Probable). Acts as a ligand for integrin which is required for IGF2 signaling (PubMed:<a href="http://www.uniprot.org/citations/28873464"

target="\_blank">28873464</a>). Positively regulates myogenic transcription factor MYOD1 function by facilitating the recruitment of transcriptional coactivators, thereby controlling muscle terminal differentiation (By similarity). Inhibits myoblast differentiation and modulates metabolism via increasing the mitochondrial respiration rate (By similarity).

#### **Cellular Location**

Secreted.

#### **Tissue Location**

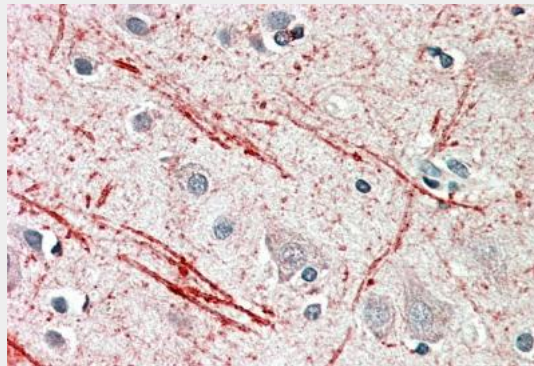
Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.

### **IGF2 (aa81-93) Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **IGF2 (aa81-93) Antibody (internal region) - Images**



AF3604a (5 µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### **IGF2 (aa81-93) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_000603.1; NP\_001121070.1). Reported variants represent identical protein: NP\_000603.1, NP\_001007140.2

### **IGF2 (aa81-93) Antibody (internal region) - References**

Long range interactions regulate Igf2 gene transcription during skeletal muscle differentiation. Alzhanov DT, McInerney SF, Rotwein P. J Biol Chem. 2010 Dec 10;285(50):38969-77. PMID: 20937833