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IGF-II Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10843

Specification

IGF-II Antibody - Product Information

Application	**WB**
Primary Accession	P01344
Other Accession	NP_001121070
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**20140**

IGF-II Antibody - Additional Information

Gene ID 3481

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human IGF-II can be used as a positive control. Other applications have not been determined.**

Other Names
IGF2, IGF-2, IGF 2, Insulin like growth factor-2, Insulin like growth factor 2

Target/Specificity
IGF II

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-human IGF-II polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
IGF-II Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IGF-II Antibody - Protein Information

Name IGF2

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:28873464). 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.

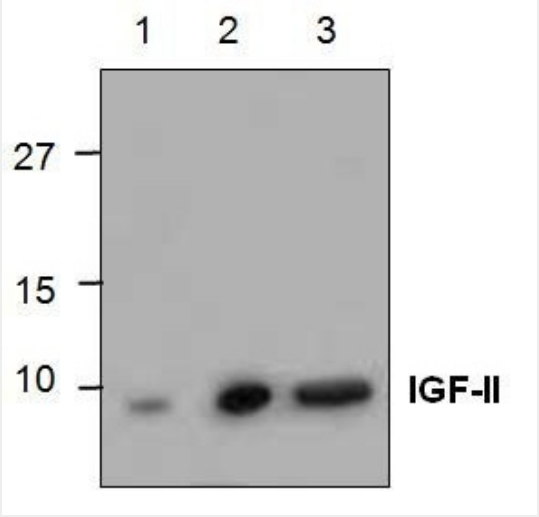
IGF-II Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IGF-II Antibody - Images

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IGF-II Antibody - Background

IGF-II (Insulin-like Growth Factor-II) is a polypeptide growth factor that stimulates the proliferation of a wide range of cell types. Human IGF-II is a 7.5 kDa protein containing 67 amino acid residues.