

Anti-IGF2/IGF II Rabbit Monoclonal Antibody
Catalog # ABO13492**Specification**

Anti-IGF2/IGF II Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC
Primary Accession	P01344
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-IGF2/IGF II Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human.

Anti-IGF2/IGF II Rabbit Monoclonal Antibody - 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

Calculated MW

20140 MW KDa

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:100

Subcellular Localization

Secreted.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human IGF2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-IGF2/IGF II Rabbit Monoclonal Antibody - 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: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

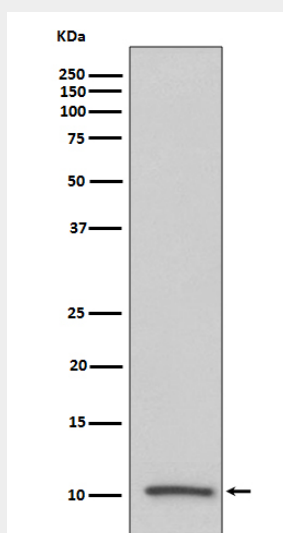
Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.

Anti-IGF2/IGF II Rabbit Monoclonal 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 Cytometry](#)
- [Cell Culture](#)

Anti-IGF2/IGF II Rabbit Monoclonal Antibody - Images



Western blot analysis of IGF2 expression in human serum lysate.