

**Anti-IGF-2 Reference Antibody (DX-2647)  
Recombinant Antibody  
Catalog # APR10947****Specification**

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**Anti-IGF-2 Reference Antibody (DX-2647) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P01344</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145.78 KDa

**Anti-IGF-2 Reference Antibody (DX-2647) - Additional Information****Target/Specificity**  
IGF-2**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-IGF-2 Reference Antibody (DX-2647) - 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:<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.

### Anti-IGF-2 Reference Antibody (DX-2647) - Protocols

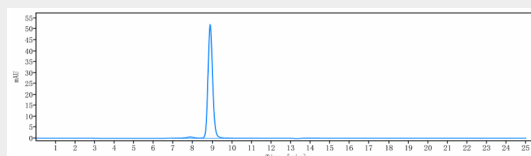
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-IGF-2 Reference Antibody (DX-2647) - Images



Anti-IGF-2 Reference Antibody (DX-2647) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IGF-2 Reference Antibody (DX-2647) is more than 95%, determined by SEC-HPLC.