Insulin-like growth factor 2 Antibody

Mouse Monoclonal Antibody [Clone IGF2/15362]

Catalog No	Format	Size
3481-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3481-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3481-MSM2-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	IGF2/15362
Immunogen	Recombinant fragment (around aa 40-165) of human IGF2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	20.14kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas

**Optimal dilution for a specific application should be determined.*

Product Images for Insulin-like growth factor 2 Antibody

Specificity & Comments

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)., Preptin undergoes glucose-mediated co-secretion with insulin, and acts as a physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.