

IGF2-BP2 Polyclonal Antibody

Catalog No :	YT2284
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	IGF2-BP2
Gene Name :	IGF2BP2
Protein Name :	Insulin-like growth factor 2 mRNA-binding protein 2
Human Gene Id :	10644
Human Swiss Prot No :	Q9Y6M1
Mouse Swiss Prot No :	Q5SF07
Immunogen :	The antiserum was produced against synthesized peptide derived from human IGF2BP2. AA range:141-190
Specificity :	IGF2-BP2 Polyclonal Antibody detects endogenous levels of IGF2-BP2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	65kD

Background : This gene encodes a protein that binds the 5' UTR of insulin-like growth factor 2 (IGF2) mRNA and regulates its translation. It plays an important role in metabolism and variation in this gene is associated with susceptibility to diabetes. Alternative splicing and promoter usage results in multiple transcript variants. Related pseudogenes are found on several chromosomes. [provided by RefSeq, Sep 2016],

Function : disease:Autoantibodies against IGF2BP2 are detected in sera from some patients with hepatocellular carcinoma.,function:Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binding is isoform-specific. May regulate translation of target mRNAs.,similarity:Belongs to the RRM IMP/VICKZ family.,similarity:Contains 2 RRM (RNA recognition motif) domains.,similarity:Contains 4 KH domains.,subcellular location:Localizes at the connecting piece and the tail of the spermatozoa.,subunit:Interacts with HNRPD.,tissue specificity:Expressed in oocytes, granulosa cells of small and growing follicles, Leydig cells, spermatogonia and semen (at protein level). Expressed in testicular cancer (at protein level). Expressed weakly in heart, placenta, skeletal muscle, bone marrow, colon, kidney, salivary glands, testis and pancreas. Detected in fetal liver, fetal ovary, gonocytes and interstitia

Subcellular Location : Nucleus. Cytoplasm. Cytoplasm, P-body . Cytoplasm, Stress granule . Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Localizes at the connecting piece and the tail of the spermatozoa. In response to cellular stress, such as oxidative stress, recruited to stress granules.

Expression : Expressed in oocytes, granulosa cells of small and growing follicles, Leydig cells, spermatogonia and semen (at protein level). Expressed in testicular cancer (at protein level). Expressed weakly in heart, placenta, skeletal muscle, bone marrow, colon, kidney, salivary glands, testis and pancreas. Detected in fetal liver, fetal ovary, gonocytes and interstitial cells of the testis.

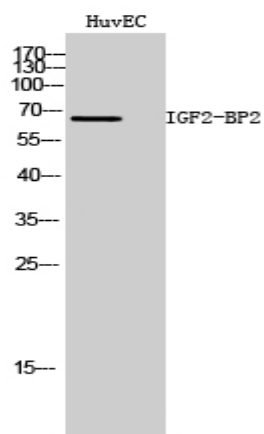
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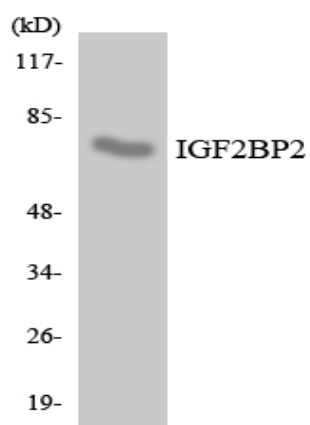
Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of HuvEC cells using IGF2-BP2 Polyclonal Antibody



Western blot analysis of the lysates from Jurkat cells using IGF2BP2 antibody.