

IGF2BP2 Rabbit mAb

Catalog # AP77030

Product Information

Application	WB, IHC-P, ICC
Primary Accession	Q9Y6M1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	66121

Additional Information

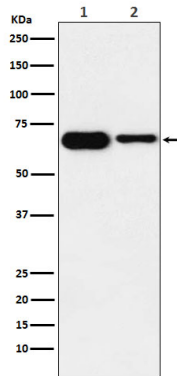
Gene ID	10644
Other Names	IGF2BP2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A ICC~~N/A
Format	Liquid

Protein Information

Name	IGF2BP2
Synonyms	IMP2, VICKZ2
Function	<p>RNA-binding factor that recruits target transcripts to cytoplasmic protein-RNA complexes (mRNPs). This transcript 'caging' into mRNPs allows mRNA transport and transient storage. It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation (By similarity). Preferentially binds to N6-methyladenosine (m6A)-containing mRNAs and increases their stability (PubMed:29476152). Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs (PubMed:9891060). Binding is isoform- specific. Binds to beta-actin/ACTB and MYC transcripts. Increases MYC mRNA stability by binding to the coding region instability determinant (CRD) and binding is enhanced by m6A-modification of the CRD (PubMed:29476152).</p>
Cellular Location	<p>Nucleus. Cytoplasm. Cytoplasm, P-body. Cytoplasm, Stress granule. Note=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</p>
Tissue Location	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

Images



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