Product Name: **KD-Validated IGF2BP3 Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01038**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 63.7kDa

Antigen Information

Gene Name	IGF2BP3
Alternative Names	IGF2BP3; Insulin Like Growth Factor 2 MRNA Binding Protein 3; IMP-3; IMP3; CT98; Insulin-Like Growth Factor 2 MRNA-Binding Protein 3; IGF-II MRNA-Binding Protein 3; IGF2 MRNA-Binding Protein 3; Cancer/Testis Antigen 98; VICKZ Family Member 3; VICKZ3; KOC1; KH Domain Containing Protein Overexpressed In Cancer; KH Domain-Containing Protein Overexpressed In Cancer; Insulin-Like Growth Factor 2 MRNA Binding Protein 3; IGF II MRNA Binding Protein 3; HKOC; KOC
Gene ID	10643.0
SwissProt ID	O00425
Immunogen	A synthesized peptide derived from human IMP3

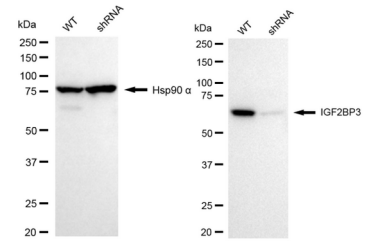
Background

The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes. [provided by RefSeq, Jul 2008]

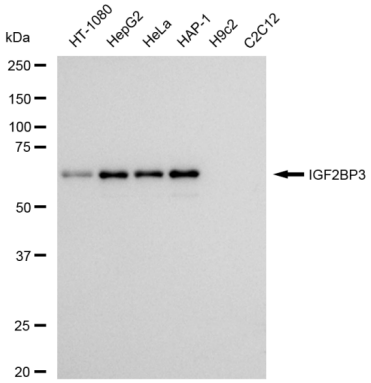
Research Area

Epigenetics and Nuclear Signaling,Cancer

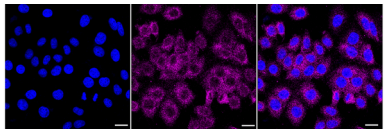
Image Data



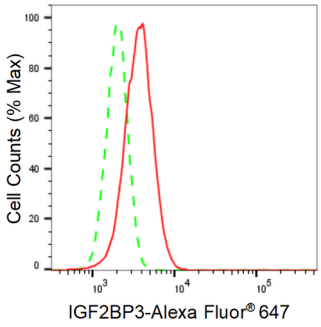
Western blotting analysis using IGF2BP3 antibody (KVAb01038). IGF2BP3 expression in wild type (WT) and IGF2BP3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with IGF2BP3 antibody (KVAb01038, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using IGF2BP3 antibody (KVAb01038). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IGF2BP3 antibody (KVAb01038, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with IGF2BP3 antibody (KVAb01038, 1:1,000). Nuclei were stained blue with DAPI; IGF2BP3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of IGF2BP3 expression in HepG2 cells using IGF2BP3 antibody (KVAb01038, 1:2,000). Green, isotype control; red, IGF2BP3.