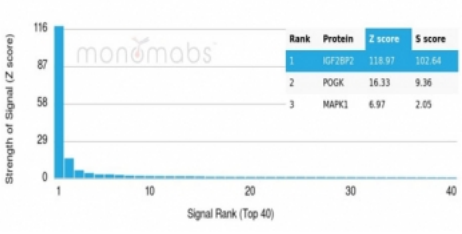
IGF2BP2 Antibody / m6A RNA Regulation Protein Antibody [clone PCRP-IGF2BP2-1F9] (V5017)

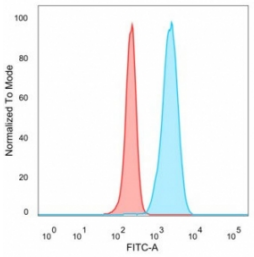
Catalog No.	Formulation	Size
V5017-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5017-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5017SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

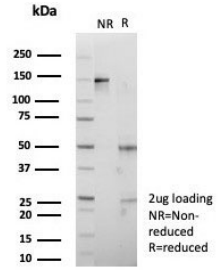
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	PCRP-IGF2BP2-1F9
Purity	Protein A/G affinity
UniProt	Q9Y6M1
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells
Limitations	This IGF2BP2 Antibody / m6A RNA Regulation Protein Antibody is available for research use only.



IGF2BP2 Antibody Protein Microarray Validation. Analysis of a HuProt(TM) protein microarray containing more than 19,000 full-length human proteins using the recombinant mouse monoclonal IGF2BP2 antibody, clone PCRP-IGF2BP2-1F9. The antibody demonstrates exceptional specificity for IGF2BP2, producing a Z-score of 118.97 and an S-score of 102.64, greatly exceeding the accepted specificity threshold of 2.5. The Z-score reflects binding signal intensity relative to the array background, while the S-score measures target specificity compared with the next highest-reactive protein. These results provide strong independent validation of clone PCRP-IGF2BP2-1F9 for highly specific detection of endogenous IGF2BP2 in research applications.



IGF2BP2 Antibody HeLa Cell Flow Cytometry. Flow cytometric analysis of paraformaldehyde-fixed human HeLa cells stained with IGF2BP2 antibody, clone PCRP-IGF2BP2-1F9, followed by CF488-conjugated goat anti-mouse IgG. Red: unstained cells. Blue: IGF2BP2 antibody. The pronounced rightward shift of the antibody-stained population relative to the unstained control demonstrates specific intracellular detection of IGF2BP2, an m6A RNA regulation protein that binds methylated messenger RNA to promote transcript stability, translation, and post-transcriptional gene regulation.



SDS-PAGE analysis of purified, BSA-free IGF2BP2 antibody (clone PCRP-IGF2BP2-1F9) as confirmation of integrity and purity.

Description

IGF2BP2 Antibody recognizes Insulin Like Growth Factor 2 mRNA Binding Protein 2 (IGF2BP2), a highly conserved RNA-binding protein that has emerged as one of the principal cellular readers of N6-methyladenosine (m6A)-modified messenger RNA. By selectively recognizing m6A-marked transcripts, IGF2BP2 protects them from degradation, enhances their stability, and promotes efficient translation. This post-transcriptional regulation influences the expression of numerous genes involved in cellular growth, metabolism, differentiation, and stress responses. Consequently, IGF2BP2 Antibody is widely used to investigate m6A RNA biology, epitranscriptomic regulation, RNA stability, and cancer progression.

IGF2BP2 belongs to the IGF2BP family of RNA-binding proteins and contains multiple RNA recognition motifs together with K homology domains that mediate high-affinity interactions with target transcripts. Although originally characterized through its interaction with insulin-like growth factor 2 messenger RNA, it is now known to regulate thousands of cellular transcripts involved in proliferation, survival, migration, and energy metabolism. Acting in concert with m6A writer, eraser, and reader proteins, IGF2BP2 coordinates dynamic RNA processing events that enable cells to rapidly adapt gene expression to developmental, metabolic, and environmental cues. These diverse activities make IGF2BP2 Antibody an important tool for studies of RNA regulation and epitranscriptomics.

Aberrant IGF2BP2 expression has been linked to numerous human diseases, including hepatocellular carcinoma, colorectal cancer, pancreatic cancer, breast cancer, lung cancer, ovarian cancer, leukemia, obesity, type 2 diabetes, and nonalcoholic fatty liver disease. Stabilization of oncogenic m6A-modified transcripts by IGF2BP2 frequently promotes malignant cell proliferation, invasion, metastasis, and therapeutic resistance, making the protein an important biomarker and potential therapeutic target. Ongoing research continues to define how IGF2BP2 contributes to RNA metabolism, stem cell biology, metabolic regulation, and tumor development. As a result, IGF2BP2 Antibody has become increasingly valuable for both basic and translational research.

This recombinant mouse monoclonal antibody, clone PCRP-IGF2BP2-1F9, has been Protein Microarray Validated, demonstrating exceptional specificity against thousands of human proteins. Protein microarray validation provides independent confirmation of target selectivity, helping researchers minimize off-target binding and increasing confidence in experimental results. NSJ Bioreagents offers this IGF2BP2 Antibody for reliable detection of endogenous IGF2BP2 across multiple immunoassays, supporting studies of m6A-dependent gene regulation, RNA metabolism, cancer biology, and metabolic disease.

For additional information on IGF2BP2 function, RNA metabolism and validated research applications, visit our IGF2BP2 Antibody page.

Application Notes

Optimal dilution of the IGF2BP2 Antibody / m6A RNA Regulation Protein Antibody should be determined by the researcher.

Immunogen

Recombinant full-length human IGF2BP2 protein was used as the immunogen for the IGF2BP2 antibody.

Storage

Aliquot the IGF2BP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

IMP2 antibody, Insulin Like Growth Factor 2 mRNA Binding Protein 2 antibody, IGF2 mRNA Binding Protein 2 antibody, VICKZ2 antibody, p62 antibody, IGF2BP2 antibody

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