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IMP-3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full-length recombinant IMP-3.
Catalog # AT2528a

Specification

IMP-3 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	O00425
Other Accession	BC065269
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM Kappa**
Calculated MW	**63705**

IMP-3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10643

Other Names
Insulin-like growth factor 2 mRNA-binding protein 3, IGF2 mRNA-binding protein 3, IMP-3, IGF-II mRNA-binding protein 3, KH domain-containing protein overexpressed in cancer, hKOC, VICKZ family member 3, IGF2BP3, IMP3, KOC1, VICKZ3

Target/Specificity
IMP-3 (AAH65269, 1 a.a. ~ 579 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
IMP-3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

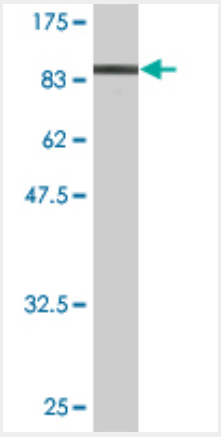
IMP-3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

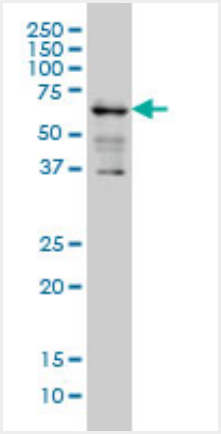
- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IMP-3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (89.43 KDa) .



IMP-3 monoclonal antibody (M01A), clone 3B12 Western Blot analysis of IMP-3 expression in K-562 ((Cat # AT2528a)

IMP-3 Antibody (monoclonal) (M01) - 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.

IMP-3 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.IGF2BP1, IGF2BP2 and IGF2BP3 genotype,

haplotype and genetic model studies in metabolic syndrome traits and diabetes. Rodriguez S, et al. Growth Horm IGF Res, 2010 Aug. PMID 20627640.IMP3 distinguishes uterine serous carcinoma from endometrial endometrioid adenocarcinoma. Mhawech-Fauceglia P, et al. Am J Clin Pathol, 2010 Jun. PMID 20472848.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.IMP3 expression is correlated with histologic grade of lung adenocarcinoma. Findeis-Hosey JJ, et al. Hum Pathol, 2010 Apr. PMID 20004948.