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#8482

IMP1 (D33A2) Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP, eCLIP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 64	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NZI8	Entrez-Gene Id: 10642
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Product Usage Information

Application

Western Blotting
Immunoprecipitation
eCLIP

Dilution

1:1000
1:50
1:200

For more information about the RBP-eCLIP service please visit Eclipsebio.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

IMP1 (D33A2) Rabbit mAb recognizes endogenous levels of total IMP1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human IMP1 protein.

Background

Insulin-like growth factor-II mRNA-binding proteins (IMPs) belong to a family of zipcode-binding proteins (1,2). Three members of this family, IMP1, IMP2, and IMP3, have been identified (1,2). They contain two RNA recognition motifs, four K homology domains, and were found to function in mRNA localization, turnover, and translation control (1,2). Research studies have implicated these proteins in a variety of physiological and pathological processes, such as growth and development (3), testicular neoplasia (4), and melanocytic neoplasia (5).

Background References

- Nielsen, F.C. et al. (2002) *J Cell Sci* 115, 2087-97.
- Nielsen, J. et al. (2003) *Biochem J* 376, 383-91.
- Hansen, T.V. et al. (2004) *Mol Cell Biol* 24, 4448-64.
- Hammer, N.A. et al. (2005) *Reproduction* 130, 203-12.
- Pryor, J.G. et al. (2008) *Mod Pathol* 21, 431-7.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation **eCLIP:** eCLIP

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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