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# IMP1 Antibody

Store at -20C  
#2852

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

<b>Applications:</b> W	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 64	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q9NZI8	<b>Entrez-Gene Id:</b> 10642
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## Product Usage Information

### Application

Western Blotting

### Dilution

1:1000

## Storage

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

## Specificity/Sensitivity

IMP1 Antibody detects endogenous levels of total IMP1 protein.

## Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human IMP1 protein. Antibodies are purified by peptide affinity chromatography.

## 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

## Cross-Reactivity Key

**H:** Human

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