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# MAGT1 Polyclonal Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP57190**

## Specification

### MAGT1 Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | **IHC-P** |
| Primary Accession | Q9H0U3 |
| Reactivity | **Rat, Pig, Dog, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **38037** |

### MAGT1 Polyclonal Antibody - Additional Information

**Gene ID** 84061

**Other Names**
Magnesium transporter protein 1, MagT1, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit MAGT1, Oligosaccharyl transferase subunit MAGT1, Implantation-associated protein, IAP, MAGT1, IAG2

**Format**
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

### MAGT1 Polyclonal Antibody - Protein Information

**Name** MAGT1 (HGNC:28880)

**Synonyms** IAG2

**Function**
Accessory component of the STT3B-containing form of the N- oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains (PubMed:<a href="http://www.uniprot.org/citations/31831667" target="_blank">31831667</a>). Involved in N- glycosylation of STT3B-dependent substrates (PubMed:<a href="http://www.uniprot.org/citations/31831667" target="_blank">31831667</a>). Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues; in this function seems to act redundantly with TUSC3. In its oxidized form proposed to form transient mixed disulfides with a glycoprotein substrate to facilitate access of STT3B to the unmodified acceptor site. Has also oxidoreductase- independent functions in the STT3B-containing OST complex possibly involving substrate recognition.

**Cellular Location**
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum. Endoplasmic reticulum membrane; Multi-pass membrane protein

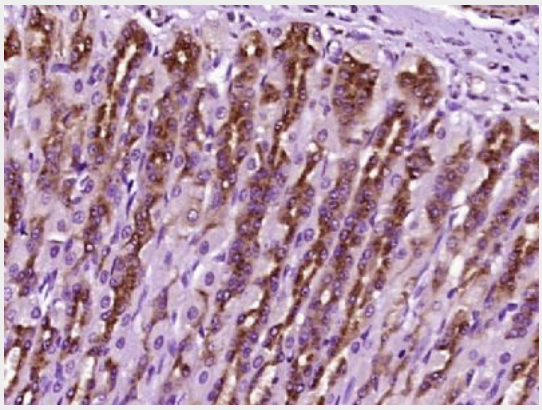
**Tissue Location**
Ubiquitous. Expressed at very low levels in brain, lung and kidney.

## MAGT1 Polyclonal Antibody - Protocols

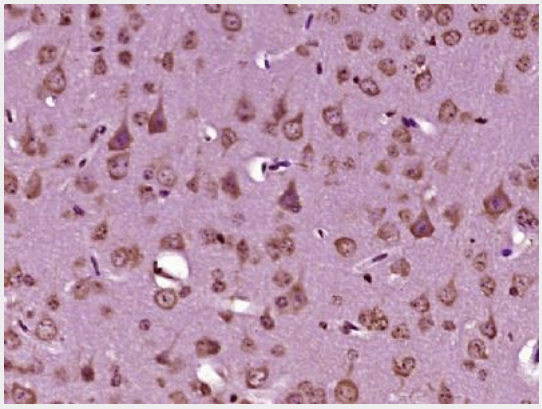
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## MAGT1 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAGT1) Polyclonal Antibody, Unconjugated (bs-18633R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



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Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAGT1) Polyclonal Antibody, Unconjugated (bs-18633R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.