

## Rabbit N33 Polyclonal Antibody | anti-N33 antibody

N33 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA295316 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

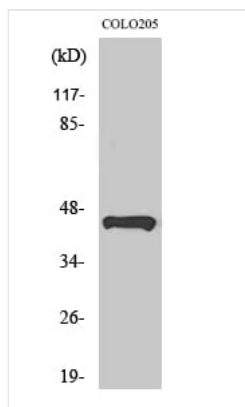
### PRODUCT SYNONYMS

N33; Polyclonal Antibody; N33 Polyclonal Antibody; TUSC3; Tumor suppressor candidate 3; Magnesium uptake/transporter TUSC3; Protein N33; anti-N33 antibody

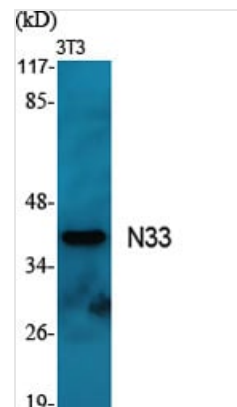
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-N33 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES

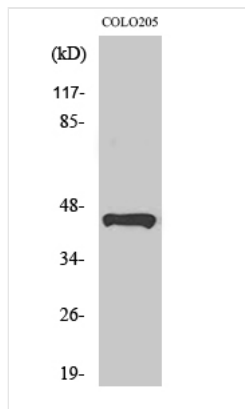


#### WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.  
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.


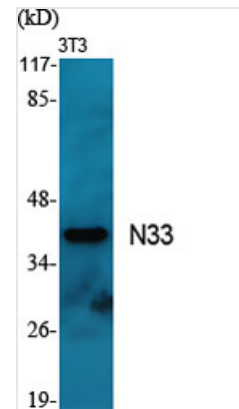
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## ADDITIONAL INFORMATION

### Related Product Information for anti-N33 antibody

Acts as accessory component 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. Involved in N-glycosylation of STT3B-dependent substrates. Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues; in this function seems to act redundantly with MAGT1. 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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 30410788                                                                                                                                           |
| NCBI GeneID                      | 7991                                                                                                                                               |
| NCBI Accession #                 | NP_006756.2                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_006765.3                                                                                                                                        |
| UniProt Accession #              | Q13454; Q14911; Q14912; Q96FW0; A8MSM0; D3DSP2                                                                                                     |
| Molecular Weight                 | 39,676 Da                                                                                                                                          |
| NCBI Official Full Name          | tumor suppressor candidate 3 isoform a                                                                                                             |
| NCBI Official Synonym Full Names | tumor suppressor candidate 3                                                                                                                       |
| NCBI Official Symbol             | TUSC3                                                                                                                                              |
| NCBI Official Synonym Symbols    | M33; N33; MRT7; MRT22; OST3A; D8S1992                                                                                                              |
| NCBI Protein Information         | tumor suppressor candidate 3; magnesium uptake/transporter TUSC3; oligosaccharyltransferase 3 homolog A; Putative prostate cancer tumor suppressor |
| UniProt Protein Name             | Tumor suppressor candidate 3                                                                                                                       |
| UniProt Gene Name                | <b>TUSC3</b>                                                                                                                                       |
| UniProt Synonym Gene Names       | N33                                                                                                                                                |
| UniProt Entry Name               | TUSC3_HUMAN                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.