



# SMAGP Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Catalog No</b>                  | YP-Ab-07175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                  | Human;Rat;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | SMAGP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   | Synthesized peptide derived from human protein . at AA range: 30-110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                 | SMAGP Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>                    | LOC57228;SMAGP;Small cell adhesion glycoprotein (Small transmembrane and glycosylated protein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Observed Band</b>               | 10kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated Molecular Weight</b> | 10kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>                | Cell membrane ; Single-pass type III membrane protein . Cytoplasmic vesicle membrane ; Single-pass type III membrane protein . Predominantly on lateral parts of the membrane, at cell-cell epithelial junctions (PubMed:15021913). Detected on cytoplasmic membranes in undifferentiated tumors (PubMed:15986429). .                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          | Detected in breast, endometrium, colon and biliary tract. Detected in polarized epithelial structures characterized by cell-cell adhesion (at protein level).                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b>                    | function:May play a role in epithelial cell-cell contacts. May play a role in tumor invasiveness and metastasis formation.,PTM:O-glycosylated. The O-glycan is modified with sialic acid residues.,similarity:Belongs to the SMAGP family., subcellular location:Predominantly on lateral parts of the membrane, at cell-cell epithelial junctions. Detected on cytoplasmic membranes in undifferentiated tumors.,tissue specificity:Detected in breast, endometrium, colon and biliary tract. Detected in polarized epithelial structures characterized by cell-cell |



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#### Background

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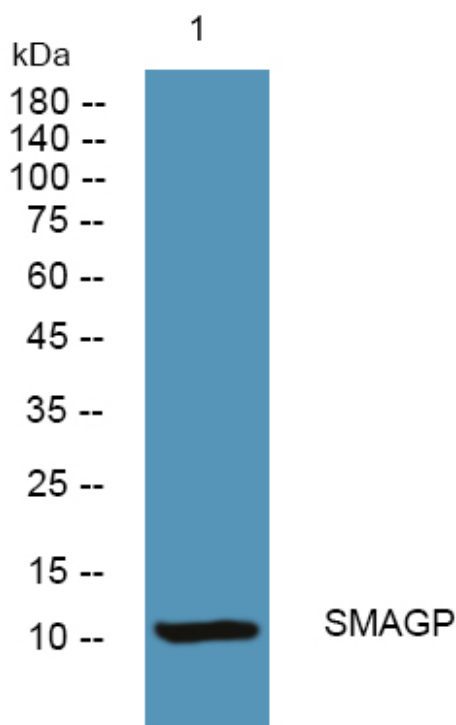
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night