

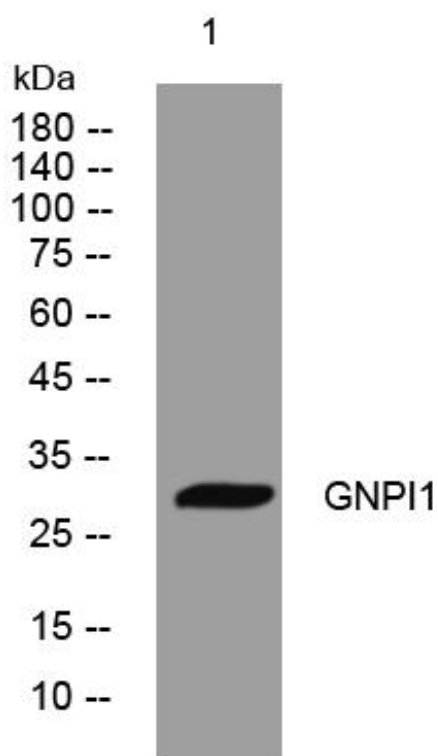


## GNPI1 mouse mAb

|                             |                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                  | YP-mAb-11118                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                             |
| Applications                | WB                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Name                   | GNPDA1 GNPI HLN KIAA0060                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                   | Synthesized peptide derived from human GNPI1 AA range: 109-159                                                                                                                                                                                                                                                                                                              |
| Specificity                 | This antibody detects endogenous levels of GNPI1 at Human/Mouse                                                                                                                                                                                                                                                                                                             |
| Formulation                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                     |
| Source                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                       |
| Purification                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                        |
| Dilution                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                             |
| Concentration               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                     |
| Purity                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Stability           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms                    | GNPI1;GNPDA1 GNPI HLN KIAA0060                                                                                                                                                                                                                                                                                                                                              |
| Observed Band               |                                                                                                                                                                                                                                                                                                                                                                             |
| Calculated Molecular Weight |                                                                                                                                                                                                                                                                                                                                                                             |
| Cell Pathway                | Cytoplasm .                                                                                                                                                                                                                                                                                                                                                                 |
| Tissue Specificity          |                                                                                                                                                                                                                                                                                                                                                                             |
| Function                    | catalytic activity:D-glucosamine 6-phosphate + H(2)O = D-fructose 6-phosphate + NH(3).,function:Seems to trigger calcium oscillations in mammalian eggs. These oscillations serve as the essential trigger for egg activation and early development of the embryo.,similarity:Belongs to the glucosamine/ galactosamine-6-phosphate isomerase family.,subunit:Homohexamer., |
| Background                  | Glucosamine-6-phosphate deaminase (EC 3.5.99.6) is an allosteric enzyme that catalyzes the reversible conversion of D-glucosamine-6-phosphate into D-fructose-6-phosphate and ammonium (Arreola et al., 2003 [PubMed 12965206]) .[supplied by OMIM, Jan 2010],                                                                                                              |
| 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 various cells using GNPI1 mouse mAb