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anti-PIGQ antibody (N-Term)



Image



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| Overview | |
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| Quantity: | 100 μL |
| Target: | PIGQ |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow, Dog |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PIGQ antibody is un-conjugated |
| Application: | Western Blotting (WB) |
| Product Details | |

| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human PIGQ |
|-----------------------|--|
| Sequence: | PTVLPDRQAG ATTASTGGLA AVFDTVARSE VLFRSDRFDE GPVRLSHWQS |
| Predicted Reactivity: | Cow: 93%, Dog: 86%, Guinea Pig: 79%, Horse: 93%, Human: 100%, Mouse: 79%, Rabbit: 93%, Rat: 86% |
| Characteristics: | This is a rabbit polyclonal antibody against PIGQ. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |
| | |

Target Details

| - arget Betane | | |
|----------------|------|--|
| Target: | PIGQ | |

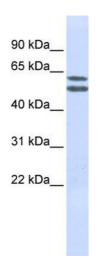
Target Details

| Alternative Name: | PIGQ (PIGQ Products) |
|---------------------|---|
| Background: | PIGQ is involved in the first step in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The |
| | GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell |
| | surface. PIGQ is a N-acetylglucosaminyl transferase component that is part of the complex that |
| | catalyzes transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol |
| | (PI). This gene is involved in the first step in glycosylphosphatidylinositol (GPI)-anchor |
| | biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor |
| | proteins to the cell surface. This gene encodes a N-acetylglucosaminyl transferase component |
| | that is part of the complex that catalyzes transfer of N-acetylglucosamine (GlcNAc) from UDP- |
| | GlcNAc to phosphatidylinositol (PI). |
| | Alias Symbols: GPI1, MGC12693, c407A10.1, hGPI1 |
| | Protein Interaction Partner: SMAD1, UBC, PIGC, PIGH, PIGA, PIGP, |
| | Protein Size: 581 |
| Molecular Weight: | 65 kDa |
| Gene ID: | 9091 |
| NCBI Accession: | NM_004204, NP_004195 |
| UniProt: | Q9BRB3 |
| Pathways: | Inositol Metabolic Process |
| Application Details | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 581 AA |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | |

Handling

| | should be handled by trained staff only. |
|------------------|---|
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

Image 1. WB Suggested Anti-PIGQ Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate