Datasheet for ABIN2778804

# anti-PIGF antibody (N-Term)

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## Overview

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

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human PIGF |
| Sequence: | MKDNDIKRLL YTHLLCIFSI ILSVFIPSLF LENFSILETH LTWLCICSGF |
| Predicted Reactivity: | Cow: 86%, Dog: 93%, Horse: 92%, Human: 100%, Mouse: 86%, Pig: 86%, Rat: 86%, Sheep: 86% |
| Characteristics: | This is a rabbit polyclonal antibody against PIGF. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | PIGF |
| Alternative Name: | PIGF (PIGF Products) |

## Target Details

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| Background: | PIGF is a protein involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor, a glycolipid containing three mannose molecules in its core backbone, is found on many blood cells where it serves to anchor proteins to the cell surface. PIGF and another GPI synthesis protein, PIGO, function in the transfer of ethanolaminephosphate to the third mannose in GPI. This gene encodes a protein involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor, a glycolipid containing three mannose molecules in its core backbone, is found on many blood cells where it serves to anchor proteins to the cell surface. The encoded protein and another GPI synthesis protein, PIGO, function in the transfer of ethanolaminephosphate to the third mannose in GPI. Alternatively spliced transcript variants encoding different isoforms have been described.<br>Alias Symbols: MGC32646, MGC33136<br>Protein Interaction Partner: PIGO, PIGG,<br>Protein Size: 219 |
| Molecular Weight: | 25 kDa |
| Gene ID: | 5281 |
| NCBI Accession: | NM_002643, NP_002634 |
| UniProt: | Q07326 |
| Pathways: | Inositol Metabolic Process |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 219 AA |
| Restrictions: | For Research Use only |

## Handling

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| 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

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| | 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. |

## Publications

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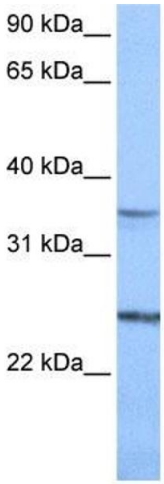
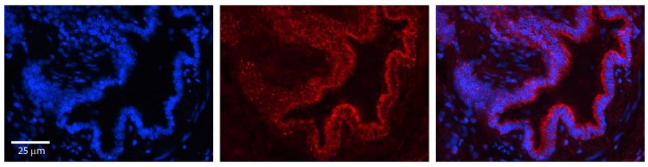
| Product cited in: | Sweetman, Münsterberg: "The vertebrate spalt genes in development and disease." in: **Developmental biology**, Vol. 293, Issue 2, pp. 285-93, (2006) (PubMed). |

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-PIGF Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate




**Immunohistochemistry**

**Image 2.** PIGF antibody - N-terminal region Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue Observed Staining: Cytoplasm in Human Bronchial Epithelial Tissue Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec