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Datasheet for 200-901-GD6

# ZGPAT Antibody

## Overview

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| **Description:** | Anti-ZGPAT (CHICKEN) Antibody - 200-901-GD6 |
| **Item No.:** | 200-901-GD6 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IF, WB |
| **Reactivity:** | Human |
| **Host Species:** | Chicken |

## Product Details

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| **Background:** | The Zinc finger CCCH-type with G patch domain-containing protein (ZGPAT), is a transcriptional repressor that regulates several cellular pathways including EGFR pathways that are involved in cell proliferation, migration and survival. ZGPAT recruits the Mi-2/NuRD complex and represses the expression of EGFR. ZGPAT is down-regulated in breast carcinomas and its expression is negatively correlated with that of EGFR, suggesting that it may be a potential target for breast cancer therapy. Multiple isoforms of ZGPAT are known to exist, including sZIP, which binds to the Mi-2/NuRD complex but lacks the DNA binding component of full-length ZGPAT, thereby antagonizing transcription repression and growth inhibition by ZGPAT. |
| **Synonyms:** | ZGPAT Antibody, ZIP, ZC3H9, GPATC6, GPATCH6, ZC3HDC9, KIAA1847, ZIP, Zinc finger CCCH-type with G patch domain-containing protein, G patch domain-containing protein 6 |
| **Host Species:** | Chicken |
| **Clonality:** | Polyclonal |
| **Format:** | IgY |

## Target Details

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| **Gene Name:** | ZGPAT |
| **Reactivity:** | Human |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | Anti-ZGPAT antibody was prepared from chicken egg fractions produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human ZGPAT. |

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| **Purity/Specificity:** | Anti-ZGPAT Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. Multiple isoforms of ZGPAT are known to exist. |
| **Relevant Links:** | • UniProtKB - Q8N5A5<br>• GeneID - 84619<br>• NCBI - NP_001076582.1 |

## Application Details

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| **Tested Applications:** | ELISA, IF, WB |
| **Application Note:** | Anti-ZGPAT Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 57 kDa in Western Blots of specific cell lysates and tissues. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:10,000 |
| **IF:** | 20 µg/mL |
| **WB:** | 1 µg/mL |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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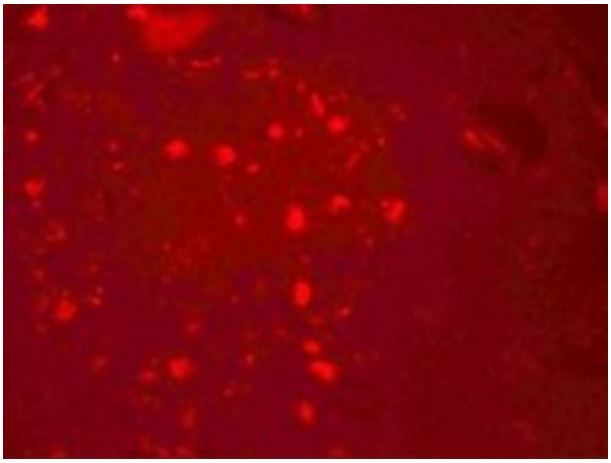
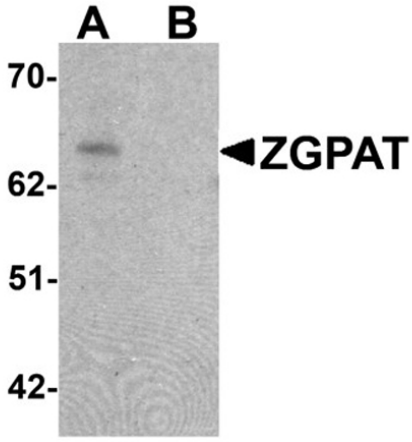
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images



**Immunofluorescence Microscopy**
Immunofluorescence of ZGPAT.
Tissue: human brain cells.
Primary Antibody: ZGPAT antibody at 20 µg/mL.




**Western Blot**
Western blot analysis of ZGPAT.
Load: SK-N-SH cell lysate.
Primary Antibody: ZGPAT antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

## Disclaimer