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Datasheet for 200-901-GD6

ZGPAT Antibody

Overview

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

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

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.

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 • GeneID - 84619 • NCBI - NP_001076582.1

Application Details

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

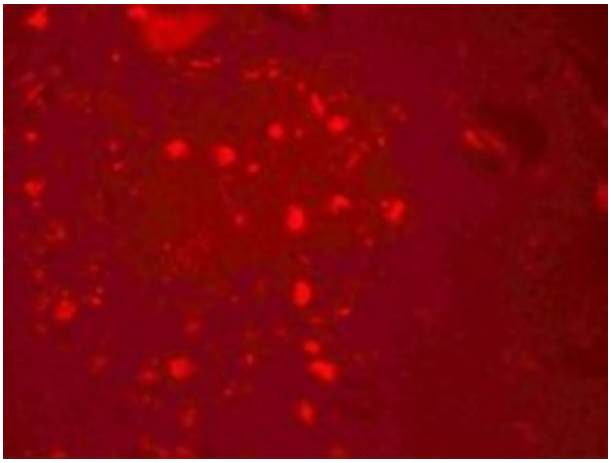
Formulation

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

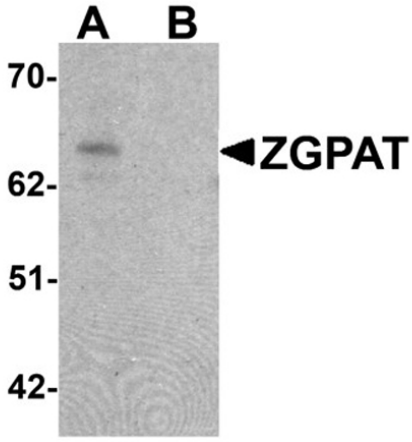
Shipping & Handling

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.