

## Anti-ZGPAT Antibody

Catalog Number: A11540

### About ZGPAT

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.

### Overview

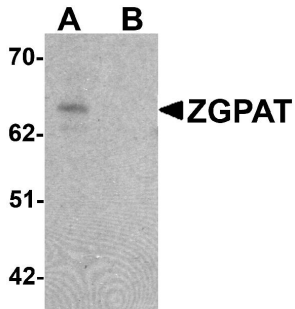
Product Name	Anti-ZGPAT Antibody
Reactive Species	Human
Description	Boster Bio Anti-ZGPAT Antibody (Catalog # A11540). Tested in ELISA, WB, IF applications. This antibody reacts with Human.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	ZGPAT Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ZGPAT antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Chicken
Uniprot ID	Q8N5A5

### Technical Details

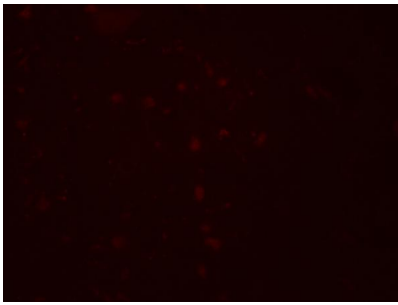
Immunogen	ZGPAT antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human ZGPAT. The immunogen is located within the last 50 amino acids of ZGPAT.
Predicted Reactive Species	Bovine, Sheep
Cross Reactivity	Multiple isoforms of ZGPAT are known to exist.
Isotype	IgY
Form	Liquid
Concentration	1 mg/mL

Purification	ZGPAT Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used ZGPAT antibody can be used for detection of ZGPAT by Western blot at 1 <math>\mu</math>g/mL. Antibody can also be used for immunofluorescence starting at 20 <math>\mu</math>g/mL. For immunofluorescence start at 20 <math>\mu</math>g/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.</p> <p>For protocols, please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a></p>

## Anti-ZGPAT Antibody (A11540) Images



Western blot analysis of ZGPAT in SK-N-SH cell lysate with ZGPAT antibody at 1  $\mu\text{g}/\text{mL}$  in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of ZGPAT in human brain cells with ZGPAT antibody at 20  $\mu\text{g}/\text{mL}$ .

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