ZGPAT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZGPAT, Polyclonal Antibody
Full Product Name	ZGPAT Rabbit Polyclonal Antibody
Product Gene Name	anti-ZGPAT antibody
Product Synonym Gene Name	GPATC6, GPATCH6, KIAA1847, ZC3H9, ZC3HDC9, ZIP
Product Synonym Names	BH6842; Zinc finger CCCH-type with G patch domain-containing protein (G patch domain-containing protein 6)(Zinc finger CCCH domain-containing protein 9)(Zinc finger and G patch domain-containing protein)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of human ZGPAT
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	20,697 Da
3D Structure	ModBase 3D Structure for Q8N5A5
Immunogen	Synthesized peptide derived from human ZGPAT
Modification	Unmodified/Total
Applications Tested/Suitable for anti-ZGPAT antibody	Western Blot (WB)
Application Notes for anti-ZGPAT antibody	WB: 1:1000-2000
Related Product Information for anti-ZGPAT antibody	MBS9517959 is an antibody targeting ZGPAT. Also known as ZGPAT Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ZGPAT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZGPAT. It may not necessarily be applicable to this product.

NCBI GI #	133925793
NCBI GeneID	84619
NCBI Accession #	NP_115916
UniProt Primary Accession #	Q8N5A5

UniProt Secondary Accession #	Q4VXN9; Q5JWI9; Q5JWJ0; Q8NC55; Q8WUV4; Q96JI0; Q96JU4; Q9H401; E1P5K1
UniProt Related Accession #	Q8N5A5
GenBank Nucleotide #	NM_032527.4
NCBI Official Full Name	zinc finger CCCH-type with G patch domain-containing protein isoform a
NCBI Official Synonym Full Names	zinc finger, CCCH-type with G patch domain
NCBI Official Symbol	ZGPAT
NCBI Official Synonym Symbols	ZIP; ZC3H9; GPATC6; GPATCH6; ZC3HDC9; KIAA1847
UniProt Protein Name	Zinc finger CCCH-type with G patch domain-containing protein
UniProt Synonym Protein Names	G patch domain-containing protein 6; Zinc finger CCCH domain-containing protein 9; Zinc finger and G patch domain-containing protein
UniProt Gene Name	ZGPAT
UniProt Synonym Gene Names	GPATC6; GPATCH6; KIAA1847; ZC3H9; ZC3HDC9; ZIP
UniProt Entry Name	ZGPAT_HUMAN
NCBI Protein Information	zinc finger CCCH-type with G patch domain-containing protein; g patch domain-containing protein 6; zinc finger CCCH domain-containing protein 9; zinc finger and G patch domain-containing protein
UniProt Comments for ZGPAT	ZGPAT: Transcription repressor that specifically binds the 5'- GGAG[GA]A[GA]A-3' consensus sequence. Represses transcription by recruiting the chromatin multiprotein complex NuRD to target promoters. Negatively regulates expression of EGFR, a gene involved in cell proliferation, survival and migration. Its ability to repress genes of the EGFR pathway suggest it may act as a tumor suppressor. Able to suppress breast carcinogenesis. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 20q13.3 Cellular Component: nucleus Molecular Function: protein binding; sequence-specific DNA binding; metal ion binding; transcription factor activity Biological Process: negative regulation of epidermal growth factor receptor activity; transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent
Research Articles on ZGPAT	**1.** sZIP, an alternative splice variant of ZIP, antagonizes transcription repression and growth inhibition by ZIP in liver neoplasms.
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