

Rabbit anti-Human POGZ Polyclonal Antibody | anti-POGZ antibody

POGZ Antibody

CATALOG # AAA323421	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

POGZ; Polyclonal Antibody; POGZ Antibody; KIAA0461; MGC71543; Pogo transposable element with ZNF domain; POGZ_HUMAN; putative protein product of Nbla00003; SUHW5; suppressor of hairy wing homolog; Suppressor of hairy wing homolog 5; Zinc finger protein 280E; Zinc finger protein 635; ZNF280E; ZNF635; ZNF635M; anti-POGZ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	POGZ antibody detects endogenous levels of total POGZ
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1401
Applicable Applications for anti-POGZ antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Chromosome. Cytoplasm. According to some authors, it is not localized to mitotic chromatin (PubMed:19244240). Recruited to trimethylated 'Lys-9' of histone H3.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)

AAA323421 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of POGZ expression in HepG2 cell lysate; SH-SY5Y cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-POGZ antibody	Description: Plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. Probably through its association with CBX5 plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms. Subunit Structure: Interacts with CBX1, CBX3, MAD2L2 and CHAMP1. Interacts with CBX5; POGZ competes with PXVXL motif-containing proteins such as INCENP and TRIM28 for interaction with CBX5. Interacts with PSIP1 isoform 1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	302699213
NCBI GeneID	23126
NCBI Accession #	NP_001181866.1
NCBI GenBank Nucleotide #	NM_001194937.1
UniProt Accession #	Q7Z3K3; O75049; Q3LIC4; Q5SZS1; Q5SZS2; Q5SZS3; Q5SZS4; Q8TDZ7; B4DTP8; B4DYL9; B7ZBY5; E9PM80
Molecular Weight	Observed: 155 kDa Predicted: 156 kDa
NCBI Official Full Name	pogo transposable element with ZNF domain isoform 4
NCBI Official Synonym Full Names	pogo transposable element derived with ZNF domain
NCBI Official Symbol	POGZ
NCBI Official Synonym Symbols	MRD37; WHSUS; ZNF635; ZNF280E; ZNF635m
NCBI Protein Information	pogo transposable element with ZNF domain
UniProt Protein Name	Pogo transposable element with ZNF domain
UniProt Gene Name	POGZ
UniProt Synonym Gene Names	KIAA0461; SUHW5; ZNF280E; ZNF635

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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