



Anti-Pogz (RABBIT) Antibody - 600-401-A89

Code: 600-401-A89

Size: 100 µg

Product Description: Anti-Pogz (RABBIT) Antibody - 600-401-A89

Concentration: 1.6 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	POGZ
Species Reactivity	human, dog, short-tailed opossum, bovine, rat, chimpanzee, macaque, olive baboon, chicken
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	rabbit anti-POGZ antibody, pogo transposable element with ZNF domain antibody, Suppressor of hairy wing homolog 5, Zinc finger protein 280E, Zinc finger protein 635, SUHW5, ZNF280E, ZNF635
Application Note	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 155 kDa in size corresponding to Pogz by western blotting in the appropriate cell lysate or extract.
Background	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. Pogz is a zinc-finger protein containing at least 8 C2H2 zinc fingers, a CENP-B (centromere protein-B) domain, and a DDE domain found in the bacterial transposase/retroviral integrase family. Members of this family of integrases share structural homologies and show similar catalytic activity to the RAG1 and RAG2 proteins that initiate V(D)J recombination in lymphoid progenitors. Mouse Pogz has a human homolog with a base pair similarity of 90% and amino acid similarity of 93% for the full length protein. In humans at least 3 variants have been predicted and they are all similar at the N-terminus. A number of expressed sequence tags (ESTs) cloned from murine undifferentiated ES cells and Lin-/c-Kit+/Sca-1+ hematopoietic stem cell cDNA libraries correspond to the Pogz gene, further underlining an important function for this gene in stem cells. In mice, deletion of the gene in all tissues early in embryogenesis has been shown to be lethal.
Purity And Specificity	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is known to react with mouse Pogz protein. A BLAST analysis was used to suggest cross-reactivity with Pogz from human, dog, short-tailed opossum, cattle, rat, chimpanzee, macaque, olive baboon, and chicken sources based on 100% homology with the immunizing sequence. Reactivity with Pogz from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:100,000 to 1:400,000
Western Blot	1:2,000 to 1:20,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the N-terminus of mouse Pogz protein.

Related Products

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - Q8BZH4

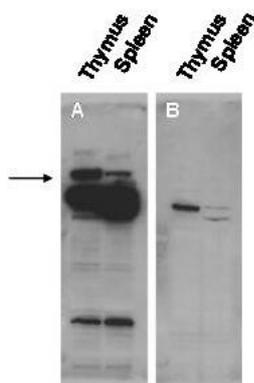
<http://www.uniprot.org/uniprot/Q8BZH4>NCBI - Q8BZH4.2 <http://www.ncbi.nlm.nih.gov/protein/Q8BZH4.2>

GeneID - 229584

Images

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Western blot using Rockland Immuno-chemicals affinity purified anti-Pogz antibody shows detection of Pogz protein (arrowhead) in adult mouse thymus and spleen tissue lysate (Panel A). The lower molecular weight bands may be cross reactive proteins. Pre-incubation of antibody with the immunizing peptide blocks specific antibody reactivity (Panel B). Primary antibody was used at 1:20,000. Personal Communication, K.O. Gudmundsson and J. Keller, NCI, Frederick, MD.

**Disclaimer**

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