

Datasheet for ABIN349593
anti-POGZ antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	POGZ
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Cow, Chicken, Chimpanzee, Macaque, Olive Baboon, Opossum
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POGZ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	<p>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.</p> <p>Immunogen Type: Peptide</p>
Isotype:	IgG
Specificity:	<p>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.</p>
Cross-Reactivity:	Dog (Canine), Opossum (Didelphimorphia), Sheep (Ovine), Rat (Rattus), Chimpanzee, Macaque,

Product Details

Olive Baboon, Chicken

Characteristics: This antibody is designed, produced, and validated as part of a collaboration with 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.

Purification: affinity purified

Sterility: Sterile filtered

Target Details

Target: POGZ

Alternative Name: Pogz ([POGZ Products](#))

Background: This antibody is designed, produced, 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.

Synonyms: pogo transposable element with ZNF domain antibody, putative protein product of

Target Details

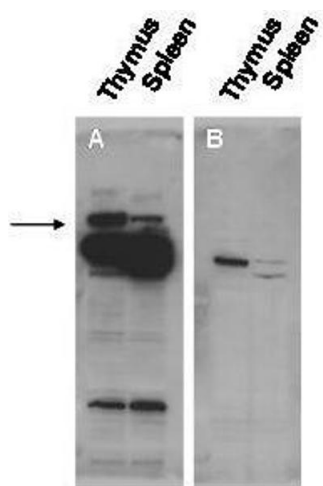
	Nbla00003 antibody, SUHW5 antibody, suppressor of hairy wing homolog antibody, zinc finger protein 280E antibody
Gene ID:	229584
UniProt:	Q8BZH4

Application Details

Application Notes:	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.
Comment:	Gene Name: POGZ
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.6 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. 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 date is three (3) months from date of opening.
Expiry Date:	3 months



Western Blotting

Image 1. Western blot using 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.