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Datasheet for ABIN2778396

anti-PGBD1 antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	PGBD1
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Dog, Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGBD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PGBD1
Sequence:	MYEALPGPAP ENEDGLVKVK EEDPTWEQVC NSQEGSSHTQ EICRLRFRHF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 75%, Human: 100%, Pig: 92%, Rabbit: 92%
Characteristics:	This is a rabbit polyclonal antibody against PGBD1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	PGBD1
Alternative Name:	PGBD1 (PGBD1 Products)

Target Details

Background: PGBD1 belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene product is specifically expressed in the brain, however, its exact function is not known. Western blots using two different antibodies against two unique regions of this protein target confirm the same apparent molecular weight in our tests. The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, *Trichoplusia ni*. This family also includes genes in several genomes, including human, that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene product is specifically expressed in the brain, however, its exact function is not known.

Alias Symbols: SCAND4, HUCEP-4, dJ874C20.4

Protein Interaction Partner: ZSCAN22, PGBD1, ZNF446, SCAND1, ZNF24, TRAF2, MEOX2, NR4A1,

Protein Size: 809

Molecular Weight: 93 kDa

Gene ID: 84547

NCBI Accession: [NM_032507](#), [NP_115896](#)

UniProt: [Q96JS3](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 809 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

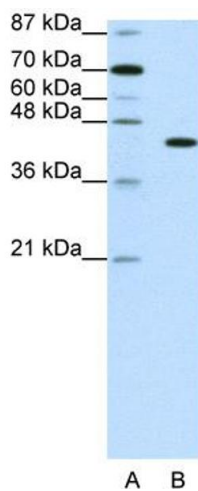
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-PGBD1 Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate