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Datasheet for ABIN2778397

anti-PGBD1 antibody (C-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	PGBD1
Binding Specificity:	C-Term
Reactivity:	Human, Cow, Dog, Pig, Rabbit, Horse, Guinea Pig, Rat
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 C terminal region of human PGBD1
Sequence:	PQISQPSIVK VYDECKEGVA KMDQIISKYR VRIRSKKWYS ILVSYMIDVA
Predicted Reactivity:	Cow: 100%, Dog: 86%, Guinea Pig: 79%, Horse: 93%, Human: 100%, Pig: 100%, Rabbit: 100%, Rat: 86%
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
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Target Details

Alternative Name: PGBD1 ([PGBD1 Products](#))

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.

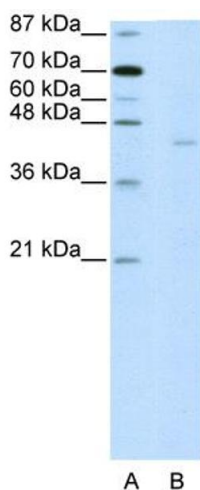
Handling

Preservative:	Sodium azide
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:
- Wang, Mueller, Hertel, Cambi: "G Run-mediated recognition of proteolipid protein and DM20 5' splice sites by U1 small nuclear RNA is regulated by context and proximity to the splice site." in: **The Journal of biological chemistry**, Vol. 286, Issue 6, pp. 4059-71, (2011) ([PubMed](#)).
- Wang, Cambi: "Heterogeneous nuclear ribonucleoproteins H and F regulate the proteolipid protein/DM20 ratio by recruiting U1 small nuclear ribonucleoprotein through a complex array of G runs." in: **The Journal of biological chemistry**, Vol. 284, Issue 17, pp. 11194-204, (2009) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-PGBD1 Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate