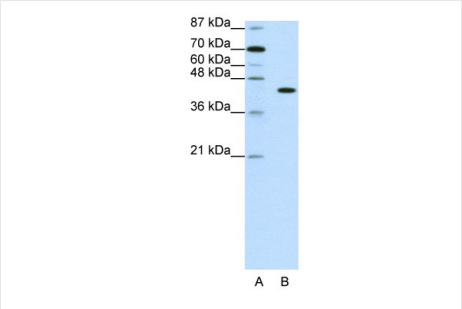
PGBD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PGBD1, Polyclonal Antibody
Full Product Name	PGBD1 antibody - N-terminal region
Product Gene Name	anti-PGBD1 antibody
Product Synonym Gene Name	SCAND4; HUCEP-4; dJ874C20.4
Immunogen Sequence	Synthetic peptide located within the following region: MYEALPGPAP ENEDGLVKVK EEDPTWEQVC NSQEGSSHTQ EICRLRFRHF
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Cow, Dog, Horse, Human, Pig, Rabbit
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Protein A purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PGBD1 peptide (MBS3229758) is used for blocking the activity of PGBD1 antibody (MBS3204792)
Molecular Weight	93kDa
3D Structure	ModBase 3D Structure for Q96JS3
Homology	Cow: 100%; Dog: 100%; Horse: 75%; Human: 100%; Pig: 92%; Rabbit: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PGBD1
Product Categories/Family for anti-PGBD1 antibody	Polyclonal; Transcription Factor; Transcription Regulation
Applications Tested/Suitable for anti-PGBD1 antibody	Western Blot (WB)
Related Product Information for anti-PGBD1 antibody	This is a rabbit polyclonal antibody against PGBD1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Other Notes	Small volumes of anti-PGBD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PGBD1 purchase	MBS3204792 is an antibody targeting PGBD1. Also known as PGBD1 antibody - N-terminal region. Reactive in Cow, Dog, Horse, Human, Pig, Rabbit. Host: Rabbit.



Western Blot (WB) of anti-PGBD1 antibody
WB Suggested Anti-PGBD1 Antibody Titration: 1.25ug/mlELISA Titer: 1:62500Positive Control: HepG2 cell lysate

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGBD1. It may not necessarily be applicable to this product.

NCBI GI #	14210514
NCBI GeneID	84547
NCBI Accession #	NP_115896
UniProt Primary Accession #	Q96JS3
UniProt Related Accession #	Q96JS3
GenBank Nucleotide #	NM_032507
NCBI Official Full Name	piggyBac transposable element-derived protein 1
NCBI Official Synonym Full Names	piggyBac transposable element derived 1
NCBI Official Symbol	PGBD1
NCBI Official Synonym Symbols	SCAND4; HUCEP-4; dJ874C20.4
UniProt Protein Name	PiggyBac transposable element-derived protein 1
UniProt Synonym Protein Names	Cerebral protein 4
Protein Family	PiggyBac transposable element-derived protein
UniProt Gene Name	PGBD1
UniProt Entry Name	PGBD1_HUMAN
NCBI Protein Information	piggyBac transposable element-derived protein 1
NCBI Summary for PGBD1	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. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, May 2010]

UniProt Comments for PGBD1	PGBD1: Protein type: Unknown function Chromosomal Location of Human Ortholog: 6p22.1 Cellular Component: membrane; nucleus Molecular Function: transcription factor activity; scavenger receptor activity Biological Process: receptor-mediated endocytosis; regulation of transcription, DNA-dependent
Research Articles on PGBD1	**1.** Expression levels in the transposon-based cells were two to five -folds more than those created by conventional method except for the IRES-mediated ones, in which the observed difference increased more than 100-fold
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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