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# anti-PGBD3 antibody (AA 410-460)



#### Overview

Quantity:	100 μL	
Target:	PGBD3	
Binding Specificity:	AA 410-460	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PGBD3 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human PGBD3	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	Purified by Protein A.	

## **Target Details**

Target:	PGBD3
Alternative Name:	PGBD3 (PGBD3 Products)
Background:	Synonyms: PGBD 3, PiggyBac transposable element derived 3, PiggyBac transposable element

derived protein 3, PGBD3\_HUMAN.

Background: PiggyBac transposable element derived 3, also known as PGBD3, encodes a 593 amino acid transposase and is a member of the piggyBac transposable element derived (PGBD) gene family, which includes several genes that are derived from piggyBac transposons. Initially characterized in the cabbacge looper moth, Trichoplusia ni, the PGBD family is conserved in a wide variety of species, including protozoa and primates. More specifically, while PGBD3 and PGBD4 are primate-specific genes, the other three members of the PGBD family (namely PGBD1, PGBD2 and PGBD5) are conserved among a variety of vertebrates. PGBD3 appears to be novel, with no clear relationship to other transposases or other known protein families. However, the PGBD3 gene overlaps with the CSB gene on chromosome 10 and, with the CSB gene, plays a role in Cockayne syndrome, a rare disorder characterized by premature aging, microcephaly, photosensitivity and severe neurologic degeneration.

Gene ID: 267004

UniProt: Q8N328

Pathways: Chromatin Binding

## **Application Details**

Application Notes: WB 1:300-5000

IHC-P 1:200-400

IF(IHC-P) 1:50-200

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date:

12 months