Datasheet for ABIN1881648

anti-PGBD3 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	PGBD3
Binding Specificity:	AA 21-49, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGBD3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PGBD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-49 amino acids from the N-terminal region of human PGBD3.
Clone:	RB42444
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PGBD3
Alternative Name:	PGBD3 (PGBD3 Products)
Background:	The piggyBac family of proteins, found in diverse animals, are transposases related to the

Target Details

	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 overlaps with the ERCC6 gene on chromosome 10, and pseudogenes of this locus have been found on chromosomes 4, 5 and 12.
Molecular Weight:	67595
NCBI Accession:	NP_001263988, NP_736609
UniProt:	Q8N328
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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
Expiry Date:	6 months

Publications

Product cited in:	Mehta, Vazquez, Kulkarni, Kerrigan, Atwal, Metsugi, Toppmeyer, Levine, Hirshfield: "Polymorphic variants in TSC1 and TSC2 and their association with breast cancer phenotypes." in: **Breast cancer research and treatment**, Vol. 125, Issue 3, pp. 861-8, (2011) (PubMed). Hoogeveen-Westerveld, Exalto, Maat-Kievit, van den Ouweland, Halley, Nellist: "Analysis of TSC1

Publications

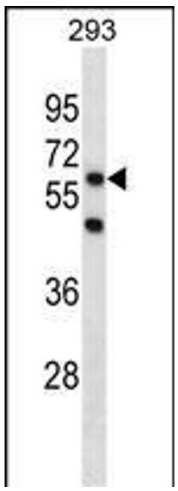
truncations defines regions involved in TSC1 stability, aggregation and interaction." in: **Biochimica et biophysica acta**, Vol. 1802, Issue 9, pp. 774-81, (2010) (PubMed).

Mieulet, Lamb: "Tuberous sclerosis complex: linking cancer to metabolism." in: **Trends in molecular medicine**, Vol. 16, Issue 7, pp. 329-35, (2010) (PubMed).

Guo, Ying, Zhang, Yuan, Qian, Wang, Yang, He: "Tandem affinity purification and identification of the human TSC1 protein complex." in: **Acta biochimica et biophysica Sinica**, Vol. 42, Issue 4, pp. 266-73, (2010) (PubMed).

Liu, Wu, Chen, Ter-Minassian, Asomaning, Zhai, Wang, Su, Heist, Kulke, Lin, Liu, Christiani: "A Large-scale genetic association study of esophageal adenocarcinoma risk." in: **Carcinogenesis**, Vol. 31, Issue 7, pp. 1259-63, (2010) (PubMed).

Images



Western Blotting

Image 1. PGBD3 Antibody (N-term) (ABIN1881648 and ABIN2838972) western blot analysis in 293 cell line lysates (35 µg/lane).This demonstrates the PGBD3 antibody detected the PGBD3 protein (arrow).