

Datasheet for ABIN537692

anti-PKMYT1 antibody (pThr495)

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Overview

Quantity:	400 µL
Target:	PKMYT1
Binding Specificity:	pThr495
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKMYT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PKMYT1.
Immunogen:	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T495 of human PKMYT1.
Cross-Reactivity:	Human

Target Details

Target:	PKMYT1
Alternative Name:	PKMYT1 (PKMYT1 Products)
Gene ID:	9088

Target Details

Pathways: [Mitotic G1-G1/S Phases, M Phase](#)

Application Details

Application Notes: Western Blot (1:1000)
Dot Blot (1:500)
Immunohistochemistry (1:50-100)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % 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

Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

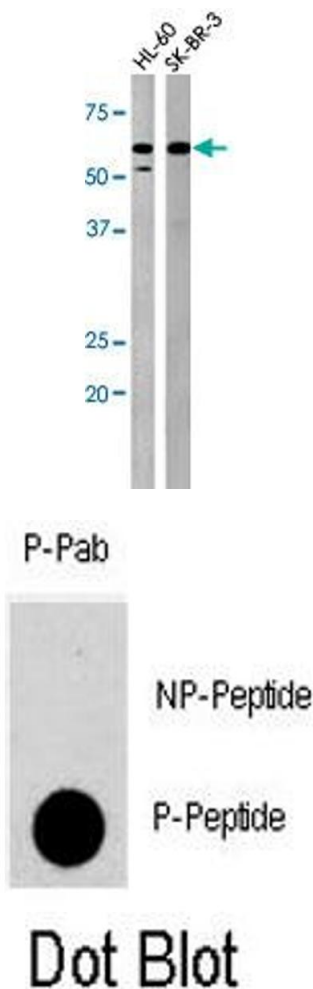
Product cited in: Dai, Yamasaki, Yang, Sayama, Shirakata, Tokumara, Yahata, Tohyama, Hashimoto: "Keratinocyte G2/M growth arrest by 1,25-dihydroxyvitamin D3 is caused by Cdc2 phosphorylation through Wee1 and Myt1 regulation." in: **The Journal of investigative dermatology**, Vol. 122, Issue 6, pp. 1356-64, (2004) ([PubMed](#)).

Passer, Nancy-Portebois, Amzallag, Prieur, Cans, Roborel de Climens, Fiucci, Bouvard, Tuynder, Susini, Morchoisne, Crible, Lespagnol, Dausset, Oren, Amson, Telerman: "The p53-inducible TSAP6 gene product regulates apoptosis and the cell cycle and interacts with Nix and the Myt1 kinase." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 100, Issue 5, pp. 2284-9, (2003) ([PubMed](#)).

Nakajima, Toyoshima-Morimoto, Taniguchi, Nishida: "Identification of a consensus motif for Plk

(Polo-like kinase) phosphorylation reveals Myt1 as a Plk1 substrate." in: **The Journal of biological chemistry**, Vol. 278, Issue 28, pp. 25277-80, (2003) ([PubMed](#)).

Images



Western Blotting

Image 1. The PKMYT1 (phospho T495) polyclonal antibody is used in Western blot to detect Phospho-PKMYT1-T495 in HL-60 (left) and SK-BR-3 (right) cell lysates

Dot Blot

Image 2. Dot blot analysis of PKMYT1 (phospho T495) polyclonal antibody on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Immunohistochemistry

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with PKMYT1 (phospho T495) polyclonal antibody which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.