

Datasheet for ABIN389599

anti-MYT1 antibody (pThr495)

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Overview

Quantity:	400 µL
Target:	MYT1
Binding Specificity:	pThr495
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYT1 antibody is un-conjugated
Application:	Western Blotting (WB), Dot Blot (DB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MYT1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T495 of human MYT1.
Clone:	RB7898
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MYT1
Alternative Name:	MYT1 (MYT1 Products)

Target Details

Background:	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and inactivates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/M transition. This kinase is associated with the membrane throughout the cell cycle. Its activity is highly regulated during the cell cycle. Protein kinases AKT1/PKB and PLK (Polo-like kinase) have been shown to phosphorylate and regulate the activity of this kinase. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Molecular Weight:	54521
Gene ID:	9088
NCBI Accession:	NP_001245379 , NP_001245380 , NP_004194 , NP_872629
UniProt:	Q99640
Pathways:	Cell Division Cycle

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. DB: 1:500
Restrictions:	For Research Use only

Handling

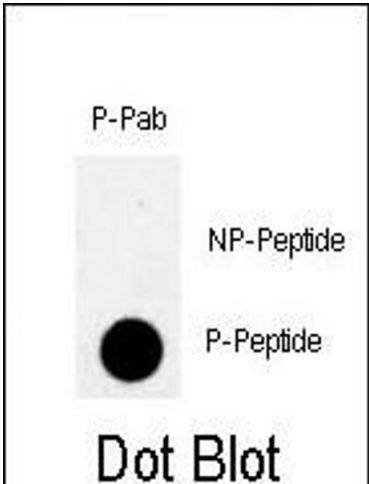
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Kevin Li-Chun, Schob, Zeller, Pulli, Ali, Wang, Chiou, Tsang, Lee, Stossel, Chen: "Gelsolin
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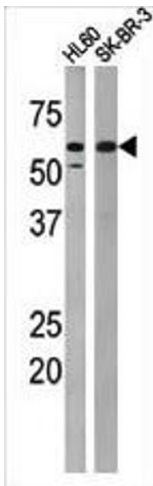
decreases actin toxicity and inflammation in murine multiple sclerosis." in: **Journal of neuroimmunology**, Vol. 287, pp. 36-42, (2015) ([PubMed](#)).

Images



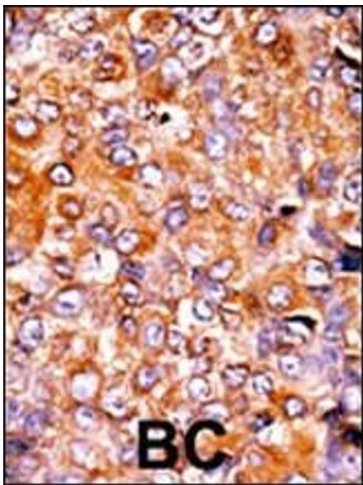
Dot Blot

Image 1. Dot blot analysis of anti-Phospho-MYT1- Antibody (ABIN389599 and ABIN2839610) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



Western Blotting

Image 2. The anti-Phospho-MYT1- Antibody (ABIN389599 and ABIN2839610) is used in Western blot to detect Phospho-MYT1- in HL60 (left) and SK-BR-3 (right) tissue lysates.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary 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, HC = hepatocarcinoma.