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Datasheet for ABIN7138445 anti-Protein Tob1 (TOB1) (pSer164) antibody





Overview

Quantity:	100 μL
Target:	Protein Tob1 (TOB1)
Binding Specificity:	pSer164
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 164(A-V-S(p)-P-T) derived from Human TOB1.
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

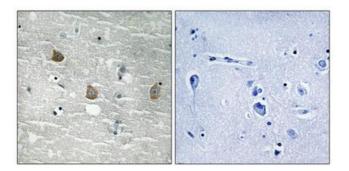
Target Details

Target:	Protein Tob1 (TOB1)
Alternative Name:	TOB1 (TOB1 Products)

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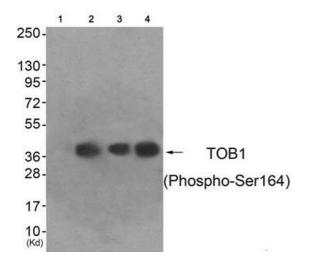
Background:	Background:
	This gene encodes a member of the tob/btg1 family of anti-proliferative proteins that have the
	potential to regulate cell growth. When exogenously expressed, this protein supresses cell
	growth in tissue culture. The protein undergoes phophorylation by a serine/threonine kinase, 90
	kDa ribosomal S6 kinase. Interactions of this protein with the v-erb-b2 erythroblastic leukemia
	viral oncogene homolog 2 gene product p185 interferes with growth suppression. This protein
	inhibits T cell proliferation and transcription of cytokines and cyclins. The protein interacts with
	both mothers against decapentaplegic Drosophila homolog 2 and 4 to enhance their DNA
	binding activity. This interaction inhibits interleukin 2 transcription in T cells.
	Matsuda S., Oncogene 12:705-713(1996).
	Ebert L., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Kalnine N., Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases. Aliases: TOB1 antibody, TOB antibody, TROB1 antibody, Protein Tob1 antibody, Transducer of
UniProt:	P50616
Application Details	
Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,
	0.02 % sodium azide and 50 % glycerol.
Preservative:	0.02 % sodium azide and 50 % glycerol. Sodium azide
Preservative: Precaution of Use:	
	Sodium azide
	Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded human brain tissue using TOB1 (Phospho-Ser164) antibody (left)or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using TOB1 (Phospho-Ser164) Antibody. The lane on the left is treated with antigen-specific peptide.

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