

Datasheet for ABIN1881933
anti-TSC1 antibody (pTyr304)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	TSC1
Binding Specificity:	pTyr304
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSC1 antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y304 of human TSC1.
Clone:	RB42253
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TSC1
Alternative Name:	TSC1 (TSC1 Products)
Background:	This gene encodes a growth inhibitory protein thought to play a role in the stabilization of

Target Details

	tuberin. Mutations in this gene have been associated with tuberous sclerosis. Alternative splicing results in multiple transcript variants.
Molecular Weight:	129767
NCBI Accession:	NP_000359 , NP_001155898 , NP_001155899
UniProt:	Q92574
Pathways:	RTK Signaling , AMPK Signaling , Regulation of Cell Size , Tube Formation

Application Details

Application Notes:	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
Expiry Date:	6 months

Publications

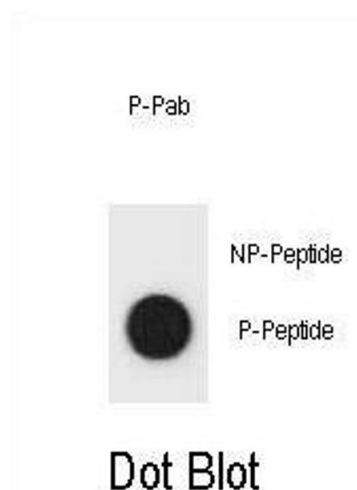
Product cited in:	<p>Hyrskyluoto, Bruelle, Lundh, Do, Kivinen, Rappou, Reijonen, Waltimo, Petersén, Lindholm, Korhonen: "Ubiquitin-specific protease-14 reduces cellular aggregates and protects against mutant huntingtin-induced cell degeneration: involvement of the proteasome and ER stress-activated kinase IRE1?." in: Human molecular genetics, Vol. 23, Issue 22, pp. 5928-39, (2014) (PubMed).</p> <p>Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations detected in a host response study to hepatitis B vaccine." in: Genes and immunity, Vol. 11, Issue 3, pp. 232-8, (2010) (PubMed).</p>
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Chen, Qin, Li, Walters, Wilson, Mei, Wilson: "The proteasome-associated deubiquitinating enzyme Usp14 is essential for the maintenance of synaptic ubiquitin levels and the development of neuromuscular junctions." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 35, pp. 10909-19, (2009) ([PubMed](#)).

Nagai, Kadowaki, Maruyama, Takeda, Nishitoh, Ichijo: "USP14 inhibits ER-associated degradation via interaction with IRE1alpha." in: **Biochemical and biophysical research communications**, Vol. 379, Issue 4, pp. 995-1000, (2009) ([PubMed](#)).

Mines, Goodwin, Limbird, Cui, Fan: "Deubiquitination of CXCR4 by USP14 is critical for both CXCL12-induced CXCR4 degradation and chemotaxis but not ERK activation." in: **The Journal of biological chemistry**, Vol. 284, Issue 9, pp. 5742-52, (2009) ([PubMed](#)).

Images



Dot Blot

Image 1. Dot blot analysis of TSC1 Antibody (Phospho) Phospho-specific Pab (ABIN1881933 and ABIN2839983) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.