Datasheet for ABIN7138643

anti-Merlin antibody (pSer518)

3 Images

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Overview

Quantity:	100 µL
Target:	Merlin (NF2)
Binding Specificity:	pSer518
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Merlin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 518 (R-L-S(p)-M-E) derived from Human Merlin.
Isotype:	IgG
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:	Merlin (NF2)
Alternative Name:	NF2 (NF2 Products)

Target Details

Background:	Background: Probable regulator of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway, a signaling pathway that plays a pivotal role in tumor suppression by restricting proliferation and promoting apoptosis. Along with WWC1 can synergistically induce the phosphorylation of LATS1 and LATS2 and can probably function in the regulation of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway. May act as a membrane stabilizing protein. May inhibit PI3 kinase by binding to AGAP2 and impairing its stimulating activity. Guang-Hui Xiao, et al. (2005) Mol. Cell. Biol , 25: 2384 - 2394. Hi-Su Yang, et al. (2006) Cancer Res , 66: 2708 - 2715. R Bohni, et al. (1994) J. Biol. Chem , 269: 14541 - 14545. Adam J. Ratner, et al. (2001) J. Biol. Chem , 276: 19267 - 19275. Aliases: ACN antibody, BANF antibody, Bilateral acoustic neuroma antibody, MERL_HUMAN antibody, Merlin antibody, Moesin ezrin radixin like protein antibody, Moesin ezrin radizin like antibody, Moesin-ezrin-radixin-like protein antibody, Neurofibromatosis 2 antibody, Neurofibromatosis type 2 antibody, Neurofibromatosis2 antibody, Neurofibromin 2 antibody, Neurofibromin-2 antibody, Neurofibromin2 antibody, NF 2 antibody, Nf2 antibody, SCH antibody, Schwannomerlin antibody, Schwannomin antibody
UniProt:	P35240
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	WB:1:500-1:1000, IF:1:100-1:200,
Restrictions:	For Research Use only

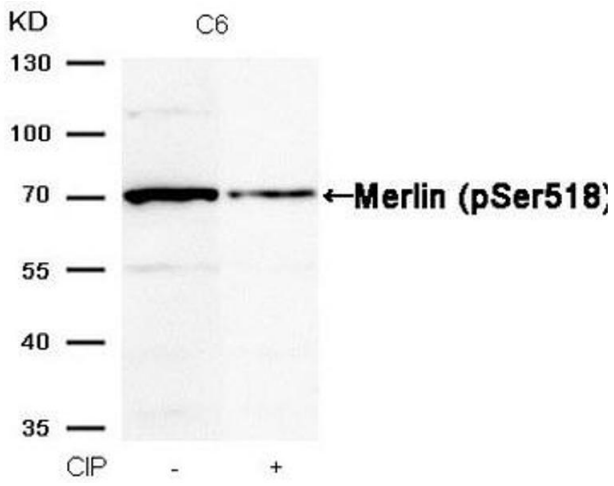
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

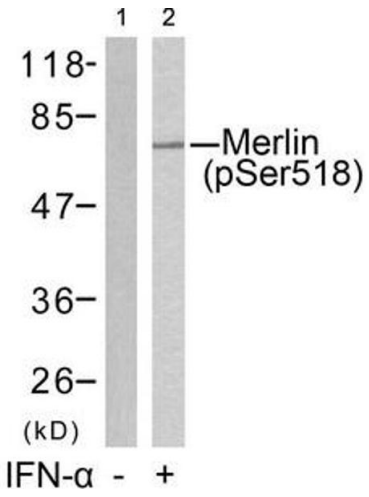
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



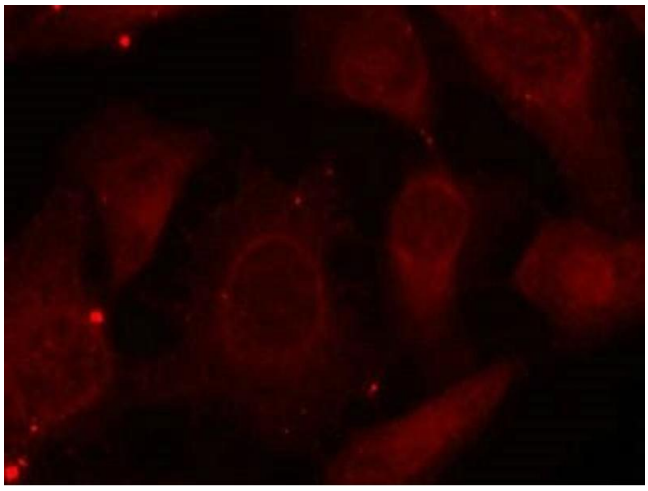
Western Blotting

Image 1. Western blot analysis of extracts from C6 cells, treated with calf intestinal phosphatase (CIP), using Merlin (Phospho-Ser518) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HUVEC cells untreated(lane 1) or treated with IFN-a(lane 2) using Merlin(Phospho-Ser518) Antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Hela cells using Merlin(Phospho-Ser518) Antibody.