Product Datasheet

Merlin(Ab-518) Antibody

Catalog No: #21258

Package Size: #21258-1 50ul #21258-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Merlin(Ab-518) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Merlin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.516~520 (R-L-S-M-E) derived from Human Merlin.
Target Name	Merlin
Other Names	MERL; NF2; Neurofibromin 2; SCH; Schwannomerlin
Accession No.	Swiss-Prot: P35240NCBI Protein: NP_000259.1
Uniprot	P35240
GeneID	4771;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

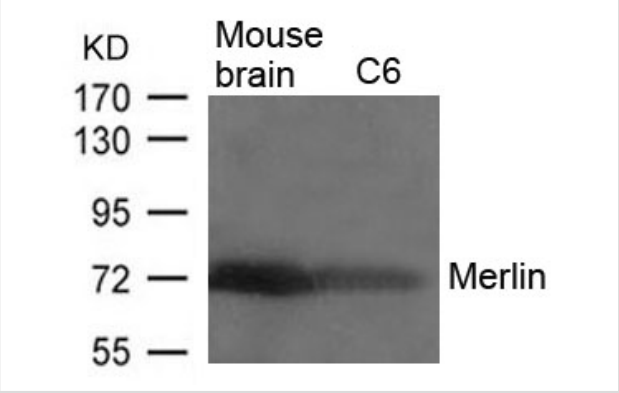
Application Details

Predicted MW: 69kd

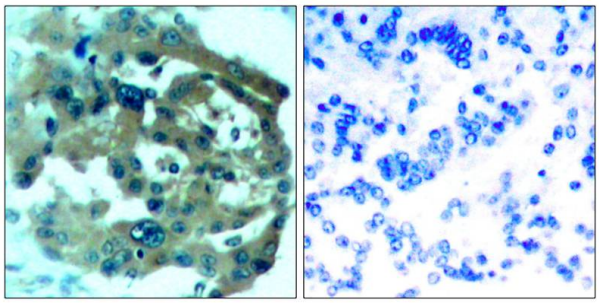
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Mouse brain tissue and C6 cells using Merlin(Ab-518) Antibody #21258.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Merlin(Ab-518) Antibody #21258(left) or the same antibody preincubated with blocking peptide(right).

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.

Note: This product is for in vitro research use only