

## 35-1591: Polyclonal Antibody to Merlin (Ab-518)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	NF2
<b>Gene ID :</b>	4771
<b>Uniprot ID :</b>	P35240
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MERL, NF2, Neurofibromin 2, SCH, Schwannomerlin
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.516~520 (R-L-S-M-E) derived from Human Merlin.

### Description

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.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 69kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

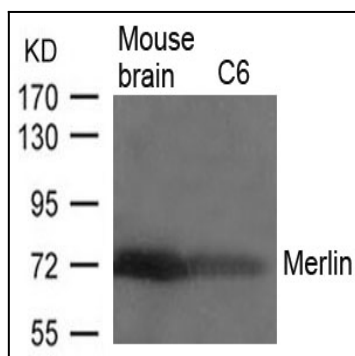


Figure 1: Western blot analysis of extracts from Mouse brain tissue and C6 cells using Merlin (Ab-518) Antibody 35-1591 .

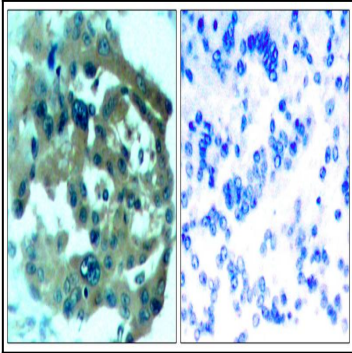


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Merlin(Ab-518) Antibody 35-1591 (left) or the same antibody preincubated with blocking peptide(right).