MLK1/2 (Phospho-Thr312/266) Antibody

Catalog No: #11744

Package Size: #11744-1 50ul #11744-2 100ul

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

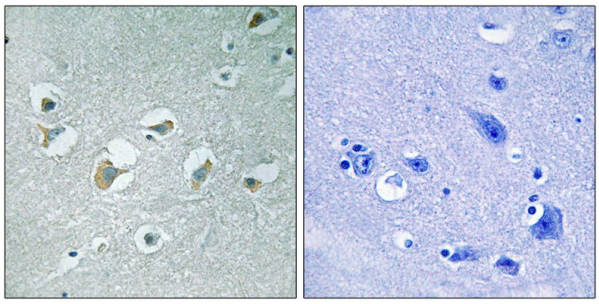
Description

Product Name	MLK1/2 (Phospho-Thr312/266) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of MLK1/2 only when phosphorylated at threonine 312/266.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 312/266(A-G-T(p)-Y-A) derived from Human MLK1/2.
Target Name	MLK1/2
Modification	Phospho
Other Names	M3K9; PRKE1; mixed-lineage protein kinase 1;
Accession No.	Swiss-Prot#: P80192/Q02779; NCBI Gene#: 4293/4294; NCBI Protein#: NP_001271159.1.
Uniprot	P80192
GeneID	4293;
SDS-PAGE MW	121kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using MLK1/2 (Phospho-Thr312/266) antibody #11744 (left)or the same antibody preincubated with blocking peptide (right).

Background

The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phoshorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is reported to be involved in nerve growth factor (NGF) induced neuronal apoptosis.

Durkin J.T., Biochemistry 43:16348-16355(2004).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Dorow D.S.,Nature 446:153-158(2007).

Note: This product is for in vitro research use only