IkappaB- beta (Phospho-Thr19) Antibody

Catalog No: #12011

Package Size: #12011-1 50ul #12011-2 100ul

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

Description

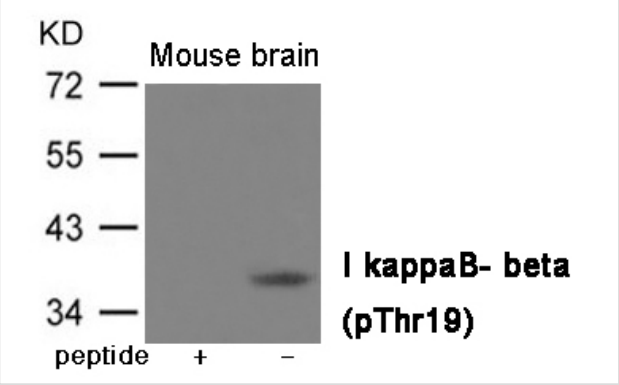
Product Name	IkappaB- beta (Phospho-Thr19) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of I kappaB- beta only when phosphorylated at Threonine 19.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Threonine 19 (C-D-S(p)-G-L) derived from Human IkappaB- beta.
Target Name	IkappaB- beta
Modification	Phospho
Other Names	IKBB, TRIP9
Accession No.	Swiss-Prot#: Q15653; NCBI Gene#: 4793; NCBI Protein#: NP_001230045.1
SDS-PAGE MW	37kd
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/1 year

Application Details

Predicted MW: 37kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Mouse brain tissue using IkappaB- beta (Phospho-Thr19) Antibody #12011.The lane on the left is treated with the antigen-specific peptide.

Background

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.