Product datasheet

Anti-AATF (Phospho-Ser477) Antibody

Catalog Number: *P03945*

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Basic Information

Product Name	Anti-AATF (Phospho-Ser477) Antibody
Gene Name	AATF
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser477 of human Che-1, conjugated to keyhole limpet hemocyanin (KLH). Immunogen species is Human.
concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Dilution Ratios	WB: 1:1000

Storage

Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C. After date of receipt, stable for at least 1 year at -20°C.

Background Information

Che-1, also known as AATF (apoptosis-antagonizing transcription factor), is a RNA polymerase II-binding protein involved in regulating the transcription factor E2F and promoting cell cycle progression (Burgdorf et al., 2004). It has been suggested that Che-1 may act as a neuroprotective factor against Abeta-induced apoptosis by suppressing the production of reactive oxidative species (Xie et al., 2004). The checkpoint kinase Chk2 has been shown to phosphorylate Che-1 at Ser-477 contributing to the maintenance of the G2/M checkpoint induced by DNA damage (Bruno et al., 2006).

Selected Validation Data

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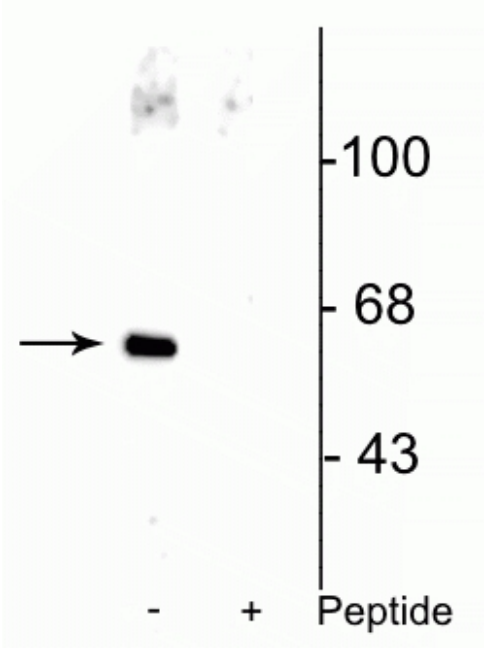

Western blot of HeLa cell lysate showing specific immunolabeling of the ~66 kDa Che-1 protein phosphorylated at Ser^{477} in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).

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