ARG52244
anti-AATF phospho (Ser477) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AATF phospho (Ser477)
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Bov, Dog, NHuPrm, Sheep, Xenopus laevis
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AATF
Species	Human
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser477 conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	BFR2; Apoptosis-antagonizing transcription factor; CHE1; CHE-1; Rb-binding protein Che-1; Protein AATF; DED

Application Instructions

Application table

Application	Dilution
WB	1:1,000

Application Note: Specific for the ~66k Che-1 protein phosphorylated at Ser477. Immunolabeling is blocked by preadsorption of antibody with the phospho-peptide that was used to geneRate the antibody but not by the corresponding dephospho-peptide.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

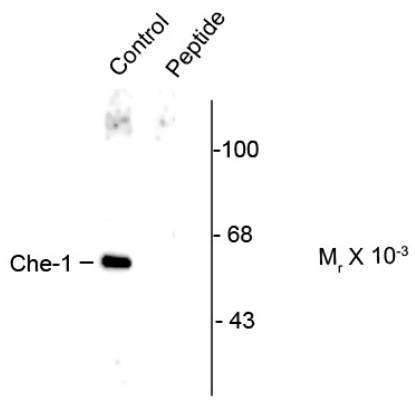
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 26574 Human Swiss-port # Q9NY61 Human
Gene Symbol	AATF
Gene Full Name	apoptosis antagonizing transcription factor
Background	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 Ser477 contributing to the maintenance of the G2/M checkpoint induced by DNA damage (Bruno et al., 2006).
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody; Gene Regulation antibody
Calculated Mw	63 kDa
PTM	Hyperphosphorylated during the G1/S phase transition.

Images



ARG52244 anti-AATF phospho (Ser477) antibody WB image

Western blot: HeLa lysate showing specific immunolabeling of the ~66k Che-1 protein phosphorylated at Ser 477 stained with ARG52244 anti-AATF phospho (Ser477) antibody.
The phosphospecificity is shown in the second lane where immunoreactivity is blocked by preadsorption with the phospho-peptide (Peptide) used as antigen.