

ATF-2 (Phospho-Ser472) Antibody

Catalog No: #11785

Package Size: #11785-1 50ul #11785-2 100ul

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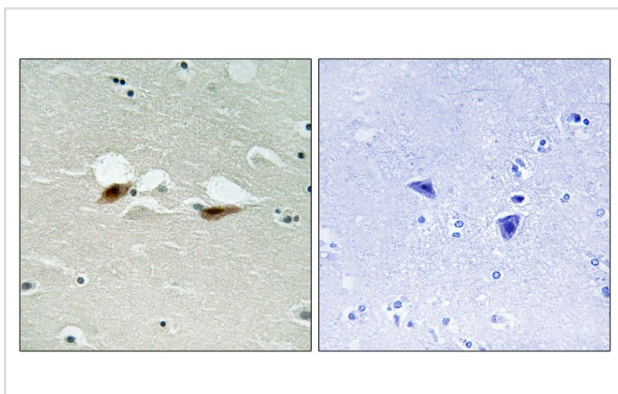
Description

Product Name	ATF-2 (Phospho-Ser472) 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 chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of ATF-2 only when phosphorylated at serine 472.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 472 (A-L-S(p)-Q-I) derived from Human ATF-2.
Target Name	ATF-2
Modification	Phospho-Ser472
Other Names	Activating 2; ATF2; cAMP response element binding protein CRE- BP1; CREB2; HB16
Accession No.	Swiss-Prot#: P15336; NCBI Gene#: 1386; NCBI Protein#: NP_001243019.1.
SDS-PAGE MW	54kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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 ATF-2 (Phospho-Ser472) antibody #11785 (left) or the same antibody preincubated with blocking peptide (right).

Background

Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CREs preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TRES) as part of an ATF2-c-Jun complex.

Maekawa T., EMBO J. 8:2023-2028(1989).

Yang L., J. Immunol. 158:2522-2525(1997).

Kara C.J., Mol. Cell. Biol. 10:1347-1357(1990).

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