

MACF1/ACF7 Rabbit pAb

MACF1/ACF7 Rabbit pAb

Catalog # AP57139

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Human
Predicted	Rat, Mouse, Chicken, Sheep
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MACF1/ACF7
Epitope Specificity	1-100/7388
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic, microtubule. Plasma membrane. Golgi apparatus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Microtubule-actin crosslinking factor 1 (MACF1/ACF7) belongs to spectraplakins family of proteins which also includes mammalian Bpag1/dystonin, Drosophila Short Stop (Shot) and Caenorhabditis elegans Vab-10. These are large actin-microtubule linker molecules that are essential for various biological processes such as neuronal degeneration, wound healing, gastrulation. MACF1, located on mouse chromosome 4D2.2, was found to play an important role during neurogenesis- it was shown that MACF1 regulates the organization of neuronal microtubules which is essential for axon extension. Furthermore, MACF1 is required in controlling focal adhesion assembly and dynamics. MACF1 behaves as an actin-regulated ATPase and it has the ability to target microtubules that track along F-actin to focal adhesions. MACF1 was also implicated in regulating filopodia formation.

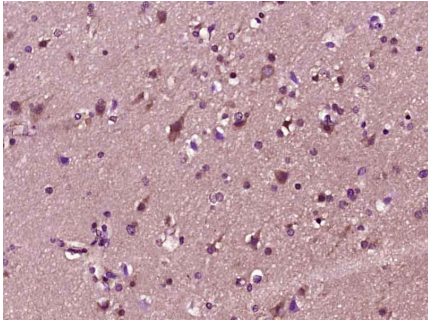
Additional Information

Other Names	Microtubule-actin cross-linking factor 1, Actin cross-linking family 7, Macf1, Acf7, Aclp7, Macf
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MACF1) Polyclonal Antibody, Unconjugated (AP57139) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.