

NAIF1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54198

Specification

NAIF1 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW Physical State Immunogen Epitope Specificity Isotype Purity affinity purified by Protein A	IHC-P, IHC-F, IF, E <u>O69YI7</u> Rat, Dog, Bovine Rabbit Polyclonal 35 KDa Liquid KLH conjugated synthetic peptide derived from human NAIF1 3-85/327 IgG
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the NAIF1 family.
	Interacts with HARBII.
Important Note	research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

NAIF protein 1 (nuclear apoptosis inducing factor 1; CB12-327; RP-379C10.2) belongs to the NAIF1 family. Apoptosis is a genetically determined cell suicidal pro gram that plays critical roles in many physiological and pathological processes. nuclear apoptosis-inducing factor 1 (NAIF1), overexpression of which induces apoptosis in cells. Human NAIF1 is located on chromosome 9q34.11 and encodes 327 amino acids with a homeodomain-like region and two nuclear localization signals at its N-terminal region. NAIF1 is conserved across diverse species, including human, mouse, crab-eating macaque, dog, chicken and frog, and shares no obvious homology to any known genes or proteins. Northern blot analysis revealed wide expression of NAIF1 mRNA throughout human tissues. NAIF1 was predominantly localized in the nucleus. Overexpression of NAIF1 inhibited cell growth and induced apoptosis. Furthermore, NAIF1 transfection caused both decreases in mitochondrial membrane potential and caspase-3 activation. In summary, NAIF1 is a nuclear protein that induces apoptosis when overexpressed.

NAIF1 Polyclonal Antibody - Additional Information

Gene ID 203245

Other Names Nuclear apoptosis-inducing factor 1, NAIF1, C9orf90



Target/Specificity Widely expressed.

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

NAIF1 Polyclonal Antibody - Protein Information

Name NAIF1

Synonyms C9orf90

Function Induces apoptosis.

Cellular Location Nucleus

Tissue Location Widely expressed..

NAIF1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- NAIF1 Polyclonal Antibody Images





Tissue/cell: human colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-NAIF1 Polyclonal Antibody, Unconjugated(bs-0452R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining