SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-NAIF1 antibody

SL0452R

Product Name:	NAIF1
Chinese Name:	核凋亡诱导因子蛋白1
Alias:	NAIF1 protein; nuclear apoptosis inducing factor 1; CB12-327; 2310007O20Rik; 4933440H19Rik; bA379C10.2; C9orf90; DKFZP762G199; NAIF1; RP11-379C10.2; NAIF1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NAIF1:3-85/327
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:
Induces apoptosis.

Subunit:
Interacts with HARBI1.

Subcellular Location:
Nucleus.

Tissue Specificity:
Widely expressed.

Similarity:
Belongs to the NAIF1 family.

SWISS:
Q69YI7

Gene ID:
203245

Database links:

Entrez Gene: 510689Cow

Entrez Gene: 203245Human

Entrez Gene: 71254Mouse

Omim: 610673Human

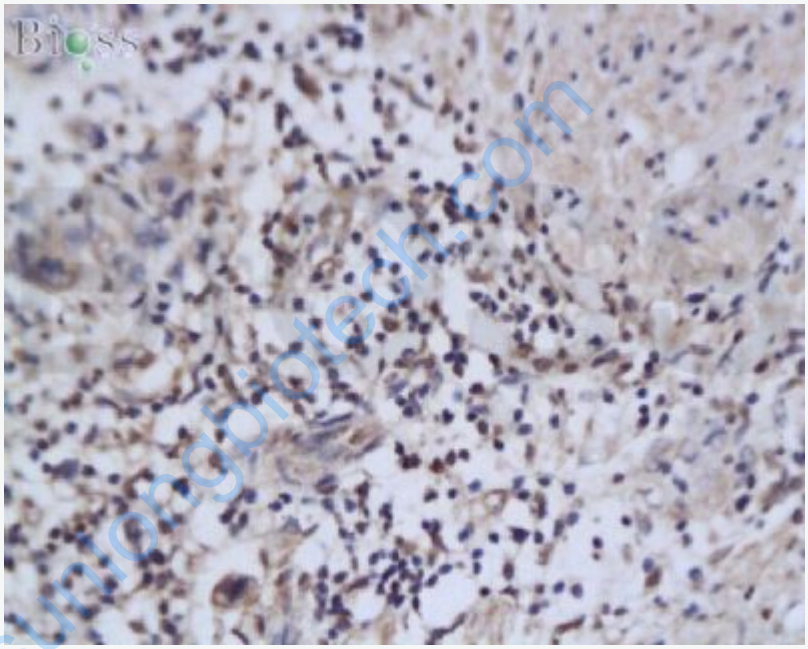
SwissProt: A7MBH3Cow

SwissProt: Q9BE21Cynomolgus Monkey

SwissProt: Q69YI7Human

SwissProt: Q6PFD7Mouse

Unigene: 373606Human

	Unigene: 102341Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. NAIF1 protein(CB12-327)是最新发现的大肠癌Maker他抑制NFκB，NFAT，AP-1活性，并诱导细胞调亡。
Picture:	 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℃ for 20 min; Incubation: Anti-NAIF1 Polyclonal Antibody, Unconjugated(SL0452R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining