



Rabbit Anti-NFAM1 antibody

SL2680R

Product Name:	NFAM1
Chinese Name:	NFAM1抗体
Alias:	NFAT activation molecule 1 precursor; NFAT activation molecule 1 precursor; Calcinerin/NFAT activating ITAM containing protein; CNAIP; NFAT activation molecule 1; Calcineurin/NFAT-activating ITAM-containing protein; NFAT-activating protein with ITAM motif 1; NFAM1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	30kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NFAM1:81-180/270<Extracellular>
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:	NFAM1 activates cytokine gene promoters such as the IL13 and TNF-alpha promoters. It contains an immunoreceptor tyrosine-based activation motif (ITAM) and is thought to regulate the signaling and development of B-cells.

Function:

May function in immune system as a receptor which activates via the calcineurin/NFAT-signaling pathway the downstream cytokine gene promoters. Activates the transcription of IL-13 and TNF-alpha promoters. May be involved in the regulation of B-cell, but not T-cell, development. Overexpression activates downstream effectors without ligand binding or antibody cross-linking.

Subunit:

Interacts with ZAP70 and SYK. No direct interaction with the B-cell antigen receptor (BCR).

Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Note=Partially recruited to lipid rafts upon BCR stimulation.

Tissue Specificity:

Highly expressed in neutrophils, primary monocytes, mast cells, monocytic cell lines and lymphocytes. Also expressed in spleen B and T cells, and lung. Expressed at low level in non-immune tissue.

Post-translational modifications:

N-glycosylated.

Similarity:

Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Contains 1 ITAM domain.

SWISS:

Q8NET5

Gene ID:

150372

Database links:

[Entrez Gene: 150372](#)Human

[Olim: 608740](#)Human

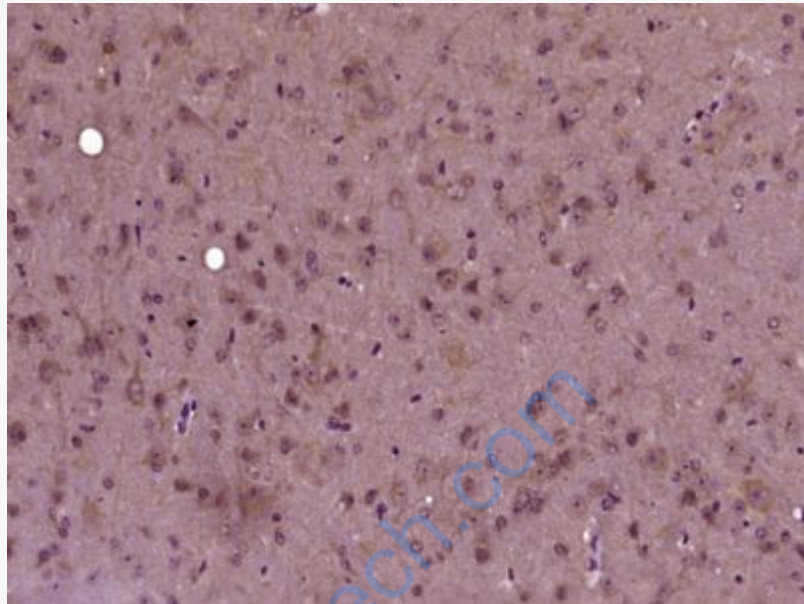
[SwissProt: Q8NET5](#)Human

[Unigene: 436677](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (NFAM1) Polyclonal Antibody, Unconjugated (SL2680R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.