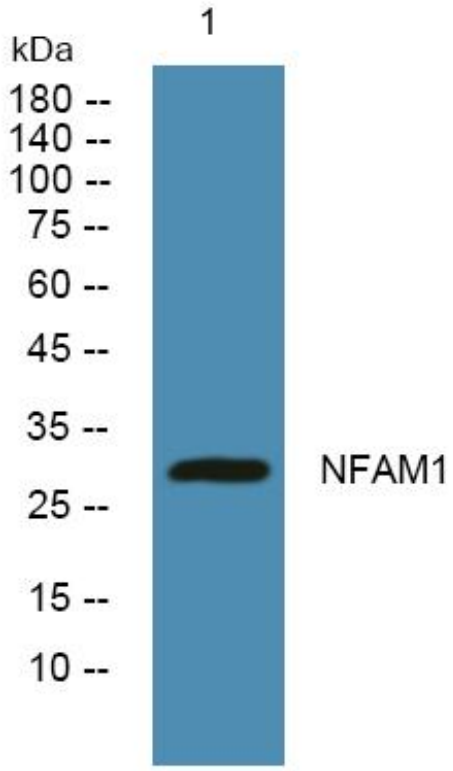
NFAM1 Monoclonal Antibody

Catalog No	YP-mAb-05144
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	NFAM1 CNAIP
Protein Name	NFAT activation molecule 1 (Calcineurin/NFAT-activating ITAM-containing protein) (NFAT-activating protein with ITAM motif 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 30-110
Specificity	NFAM1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	29kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . 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.
Function	domain:The ITAM domain displays no close similarity to any existing ITAMs, except for four conserved positions. The phosphorylated ITAM domain binds ZAP70 and SYK.,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.,PTM:N-glycosylated.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subcellular location:Partially recruited to lipid rafts upon BCR stimulation.,subunit:Interacts with ZAP70 and SYK. No direct interaction with the B-cell antigen receptor (BCR).,tissue specificity:Highly expressed in neutrophils,

Background	The protein encoded by this gene is a type I membrane receptor that activates cytokine gene promoters such as the IL-13 and TNF-alpha promoters. The encoded protein contains an immunoreceptor tyrosine-based activation motif (ITAM) and is thought to regulate the signaling and development of B-cells. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NFAM1 Monoclonal Antibody