

Rabbit NSMAF Polyclonal Antibody | anti-NSMAF antibody

Anti-NSMAF Antibody Picoband

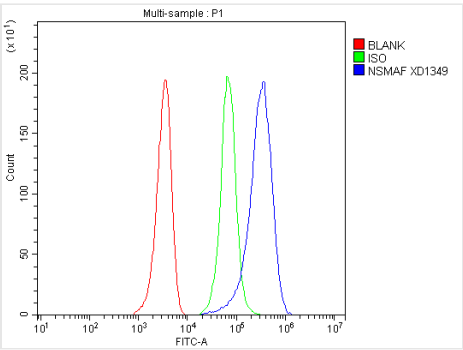
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128213	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NSMAF; Polyclonal Antibody; Anti-NSMAF Antibody Picoband; Protein FAN; neutral sphingomyelinase activation associated factor; FAN; Factor associated with neutral sphingomyelinase activation; Factor associated with N-SMase activation; anti-NSMAF antibody

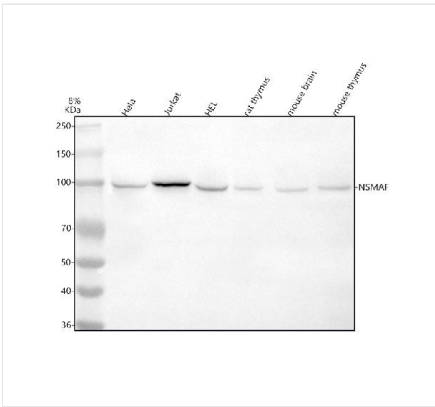
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NSMAF antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NSMAF recombinant protein (Position: K51-L868). Human NSMAF shares 92.3% amino acid (aa) sequence identity with mouse NSMAF.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HEL cells using anti-NSMAF antibody (AAA128213).Overlay histogram showing HEL cells stained with AAA128213 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NSMAF Antibody (AAA128213, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of NSMAF using anti-NSMAF antibody (AAA128213).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HeLa whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human HEL whole cell lysates,Lane 4: rat thymus tissue lysates,Lane 5: mouse brain tissue lysates,Lane 6: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NSMAF antigen affinity purified polyclonal antibody (AAA128213) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NSMAF at approximately 104 kDa. The expected band size for NSMAF is at 104 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NSMAF antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NSMAF antibody	Primary Antibodies
References	1. Adam-Klages, S., Adam, D., Wiegmann, K., Struve, S., Kolanus, W., Schneider-Mergener, J., Kronke, M. FAN, a novel WD-repeat protein, couples the p55 TNF-receptor to neutral sphingomyelinase. Cell 86: 937-947, 1996.2. Montfort, A., de Badts, B., Douin-Echinard, V., Martin, P. G. P., Iacovoni, J., Nevoit, C., Therville, N., Garcia, V., Bertrand, M.-A., Bessieres, M.-H., Trombe, M.-C., Levade, T., Benoist, H., Segui, B. FAN stimulates TNF-alpha-induced gene expression, leukocyte recruitment, and humoral response. J. Immun. 183: 5369-5378, 2009.3. Segui, B., Cuvillier, O., Adam-Klages, S., Garcia, V., Malagarie-Cazenave, S., Leveque, S., Caspar-Bauguil, S., Coudert, J., Salvayre, R., Kronke, M., Levade, T. Involvement of FAN in TNF-induced apoptosis. J. Clin. Invest. 108: 143-151, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221625547
NCBI GeneID	8439
NCBI Accession #	NP_001138244
NCBI GenBank Nucleotide #	NM_001144772
UniProt Accession #	Q92636; Q8IW26; B4DFB0; E9PCHO
Molecular Weight	107,314 Da
NCBI Official Full Name	protein FAN isoform 2

NCBI Official Synonym Full Names	neutral sphingomyelinase (N-SMase) activation associated factor
NCBI Official Symbol	NSMAF
NCBI Official Synonym Symbols	FAN
NCBI Protein Information	protein FAN; factor associated with N-SMase activation; factor associated with neutral sphingomyelinase activation
UniProt Protein Name	Protein FAN
UniProt Gene Name	NSMAF
UniProt Synonym Gene Names	FAN; Factor associated with N-SMase activation
UniProt Entry Name	FAN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nsmaf-antibody-flow-cytometry-western-blot-elisa/128213>