

Rabbit NFIA Polyclonal Antibody | anti-NFIA antibody

Anti-NFIA Antibody Picoband

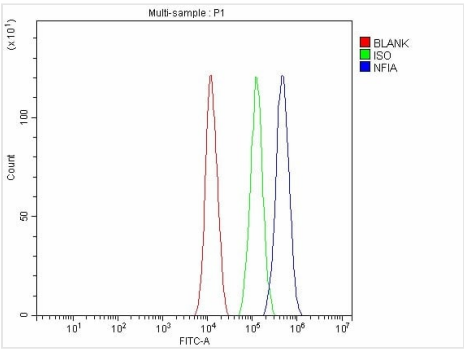
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127185	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

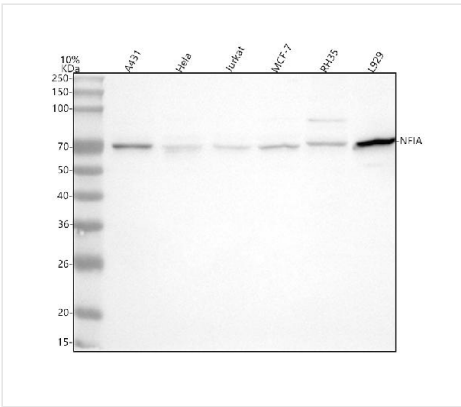
NFIA; Polyclonal Antibody; Anti-NFIA Antibody Picoband; anti-NFIA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-NFIA antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NFIA recombinant protein (Position: V172-Q233). Human NFIA shares 100% amino acid (aa) sequence identity with rat NFIA.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 JK cells using anti-NFIA antibody (AAA127185).Overlay histogram showing JK cells stained with AAA127185 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NFIA Antibody (AAA127185, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 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 NFIA using anti-NFIA antibody (AAA127185).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 A431 whole cell lysates,Lane 2: human HeLa whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human MCF-7 whole cell lysates,Lane 5: rat RH35 whole cell lysates,Lane 6: mouse L929 whole cell 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-NFIA antigen affinity purified polyclonal antibody (#AAA127185) 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 NFIA at approximately 70 kDa. The expected band size for NFIA is at 56 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NFIA 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-NFIA antibody	Primary Antibodies
References	1. Campbell, C. G. N., Wang, H., Hunter, G. W. Interstitial microdeletion of chromosome 1p in two siblings. Am. J. Med. Genet. 111: 289-294, 2002.2. das Neves, L., Duchala, C. S., Godinho, F., Haxhiu, M. A., Colmenares, C., Macklin, W. B., Campbell, C. E., Butz, K. G., Gronostajski, R. M. Disruption of the murine nuclear factor I-A gene (Nfia) results in perinatal lethality, hydrocephalus, and agenesis of the corpus callosum. Proc. Nat. Acad. Sci. 96: 11946-11951, 1999. Note: Erratum: Proc. Nat. Acad. Sci. 98: 4276 only, 2001. 3. Deneen, B., Ho, R., Lukaszewicz, A., Hochstim, C. J., Gronostajski, R. M., Anderson, D. J. The transcription factor NFIA controls the onset of gliogenesis in the developing spinal cord. Neuron 52: 953-968, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14194959
NCBI GeneID	4774
UniProt Accession #	Q12857; Q8TA97; Q9H3X9; Q9P2A9; B4DRJ3; B4DS53; F5H0R0; F8W8W3
Molecular Weight	509
NCBI Official Full Name	Nuclear factor 1 A-type
NCBI Official Synonym Full Names	nuclear factor I/A
NCBI Official Symbol	NFIA
NCBI Official Synonym Symbols	CTF; NF1-A; NFI-A; NFI-L; NF-I/A

NCBI Protein Information	nuclear factor 1 A-type; TGGCA-binding protein; CCAAT-box-binding transcription factor
UniProt Protein Name	Nuclear factor 1 A-type
UniProt Gene Name	NFIA
UniProt Synonym Gene Names	KIAA1439; NF1-A; Nuclear factor 1/A; CTF; NF-I/A; NFI-A
UniProt Entry Name	NFIA_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/nfia-antibody-flow-cytometry-western-blot-elisa/127185>