

Rabbit anti-Human INF2 Polyclonal Antibody | anti-INF2 antibody

Anti-INF2 Antibody Picoband

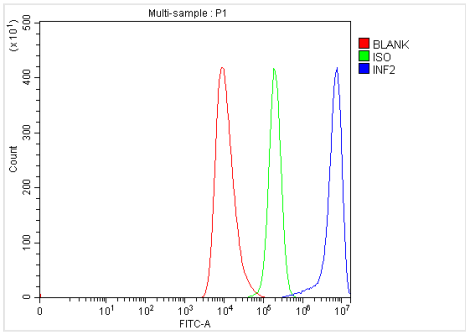
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126244	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

INF2; Polyclonal Antibody; Anti-INF2 Antibody Picoband; anti-INF2 antibody

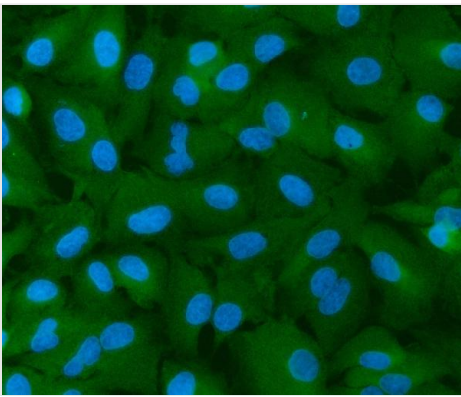
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-INF2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human INF2 recombinant protein (Position: A7-Q674).
Preparation and Storage	Store 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.



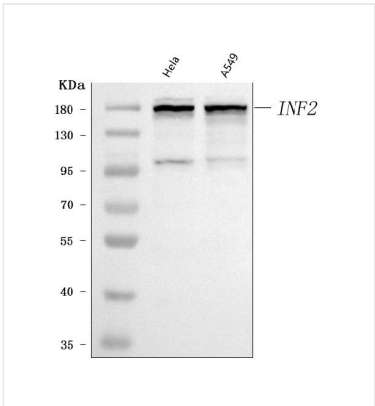
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HEL cells using anti-INF2 antibody (AAA126244).Overlay histogram showing HEL cells stained with AAA126244 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-INF2 Antibody (AAA126244, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of INF2 using anti-INF2 antibody (AAA126244).INF2 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-INF2 Antibody (AAA126244) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of INF2 using anti-INF2 antibody (AAA126244).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 A549 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-INF2 antigen affinity purified polyclonal antibody (#AAA126244) at 0.5 ug/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 INF2 at approximately 180 kDa. The expected band size for INF2 is at 136 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-INF2 antibody	Inverted formin-2 is a protein that in humans is encoded by the INF2 gene. This gene represents a member of the formin family of proteins. It is considered a diaphanous formin due to the presence of a diaphanous inhibitory domain located at the N-terminus of the encoded protein. Studies of a similar mouse protein indicate that the protein encoded by this locus may function in polymerization and depolymerization of actin filaments. Mutations at this locus have been associated with focal segmental glomerulosclerosis 5.
Product Categories/Family for anti-INF2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	149999380
NCBI GeneID	64423
NCBI Accession #	NP_071934
NCBI GenBank Nucleotide #	NM_022489.3
UniProt Accession #	Q27J81; Q27J83; Q69YL8; Q6P1X7; Q6PK22; Q86TR7; Q9BRM1; Q9H6N1
Molecular Weight	Predicted: 137 kDa Observed: 160 kDa
NCBI Official Full Name	inverted formin-2 isoform 1
NCBI Official Synonym Full Names	inverted formin, FH2 and WH2 domain containing
NCBI Official Symbol	INF2
NCBI Official Synonym Symbols	FSGS5; CMTDIE; pp9484; C14orf151; C14orf173
NCBI Protein Information	inverted formin-2
UniProt Protein Name	Inverted formin-2
UniProt Gene Name	INF2
UniProt Synonym Gene Names	C14orf151; C14orf173

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://www.aaabiotech.com/polyclonal/inf2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126244>