

Rabbit IFI44L Polyclonal Antibody | anti-IFI44L antibody

Anti-IFI44L Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128225	Rabbit	Human, Monkey, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

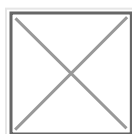
PRODUCT SYNONYMS

IFI44L; Polyclonal Antibody; Anti-IFI44L Antibody Picoband; Interferon-induced protein 44-like; interferon induced protein 44 like; C1orf29; GS3686; anti-IFI44L antibody

PRODUCT SPECIFICATIONS

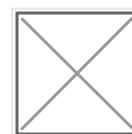
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-IFI44L antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human IFI44L recombinant protein (Position: R16-I452). Human IFI44L shares 55% amino acid (aa) sequence identity with mouse IFI44L.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of SiHa cells using anti-IFI44L antibody (AAA128225). Overlay histogram showing SiHa cells stained with AAA128225 (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-IFI44L Antibody (AAA128225, 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.



IF (Immunofluorescence)

Figure 4. IF analysis of IFI44L using anti-IFI44L antibody (AAA128225). IFI44L was detected in an immunocytochemical section of SiHa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 4ug/mL rabbit anti-IFI44L Antibody (AAA128225) overnight at 4 degree C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 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.



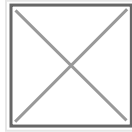
IHC (Immunohistochemisry)

Figure 3. IHC analysis of IFI44L using anti-IFI44L antibody (AAA128225).IFI44L was detected in a paraffin-embedded section of human stomach cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-IFI44L Antibody (AAA128225) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of IFI44L using anti-IFI44L antibody (AAA128225).IFI44L was detected in a paraffin-embedded section of human non-small cell lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-IFI44L Antibody (AAA128225) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of IFI44L using anti-IFI44L antibody (AAA128225).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 SiHa whole cell lysates,Lane 2: human PC-3 whole cell lysates,Lane 3: human Hela whole cell lysates,Lane 4: monkey COS-7 whole cell lysates,Lane 5: mouse NRK 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-IFI44L antigen affinity purified polyclonal antibody (AAA128225) 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 IFI44L at approximately 51 kDa. The expected band size for IFI44L is at 51 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-IFI44L 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-IFI44L antibody	Primary Antibodies
References	1. Feenstra, B., Pasternak, B., Geller, F., Carstensen, L., Wang, T., Huang, F., Eitson, J. L., Hollegaard, M. V., Svanstrom, H., Vestergaard, M., Hougaard, D. M., Schoggins, J. W., Jan, L. Y., Melbye, M., Hviid, A. Common variants associated with general and MMR vaccine-related febrile seizures. Nature Genet. 46: 1274-1282, 2014.2. Gross, M. B. Personal Communication. Baltimore, Md. 5/13/2011.3. Schoggins, J. W., Wilson, S. J., Panis, M., Murphy, M. Y., Jones, C. T., Bieniasz, P., Rice, C. M. A diverse range of gene products are effectors of the type I interferon antiviral response. Nature 472: 481-485, 2011. Note: Erratum: Nature 525: 144 only, 2015.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166706909
NCBI GeneID	10964
NCBI Accession #	NP_006811.2
NCBI GenBank Nucleotide #	NM_006820.3
UniProt Accession #	Q53G44 ; Q86TE1 ; Q96B64 ; Q99984
Molecular Weight	18,825 Da
NCBI Official Full Name	interferon-induced protein 44-like

NCBI Official Synonym Full Names	interferon-induced protein 44-like
NCBI Official Symbol	IFI44L
NCBI Official Synonym Symbols	GS3686; C1orf29
NCBI Protein Information	interferon-induced protein 44-like
UniProt Protein Name	Interferon-induced protein 44-like
UniProt Gene Name	IFI44L
UniProt Synonym Gene Names	C1orf29
UniProt Entry Name	IF44L_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ifi44l-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/128225>