

Rabbit IL-16 Polyclonal Antibody | anti-IL16 antibody

IL-16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40351	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

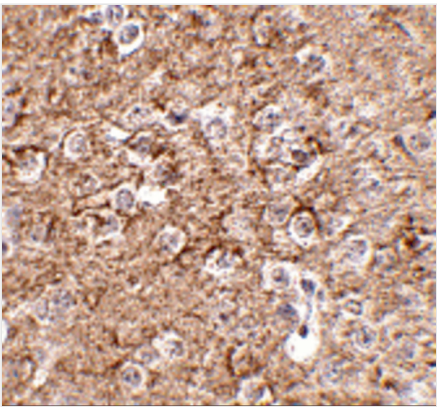
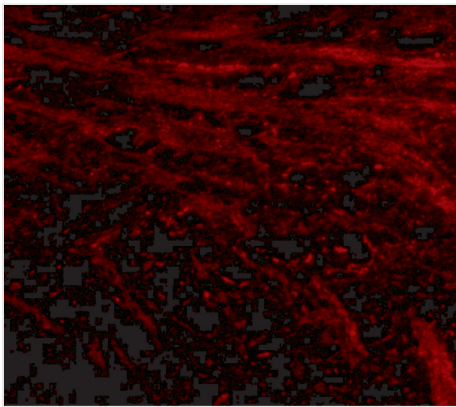
PRODUCT SYNONYMS

IL-16; Polyclonal Antibody; IL-16 Antibody; LCF; NIL16; PRIL16; prIL-16; Pro-interleukin-16; Lymphocyte chemoattractant factor; interleukin 16 (lymphocyte chemoattractant factor); anti-IL16 antibody

PRODUCT SPECIFICATIONS

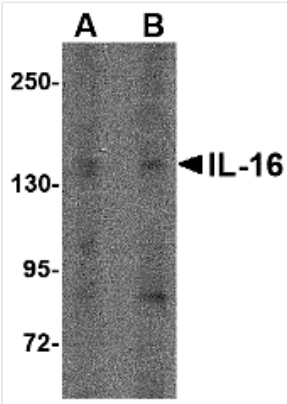
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody will only detect the NIL-16 isoform.
Purity/Purification	IL-16 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1332
Applicable Applications for anti-IL16 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	IL-16 antibody was raised against a 20 amino acid synthetic peptide near the amino terminus of human IL-16.
Buffer	IL-16 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	IL-16 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of IL-16 in mouse brain tissue with IL-16 antibody at 20 µg/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of IL-16 in mouse brain tissue with IL-16 antibody at 2.5 µg/mL.



WB (Western Blot)
Western blot analysis of IL-16 in rat brain tissue lysate with IL-16 antibody at (A) 1 µg/ml and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-IL16 antibody

IL-16 Antibody: IL-16 was initially identified as a chemotactic cytokine, but is now known to possess a wide range of activities. Later studies have more fully characterized IL-16 as an immunomodulatory cytokine that contributes to the regulatory process of CD4+ T cell recruitment and activation at sites of inflammation in association with asthma and several autoimmune diseases. The precursor of IL-16 (pro-IL-16) is thought to be cleaved towards the C-terminal region by Caspase-3, releasing a 20 kDa active form that binds to and signals through CD4. Besides acting as a chemotactic cytokine, IL-16 is thought to also be involved in the regulation of T cell proliferation and multiple infectious, immune-mediated, and autoimmune inflammatory disorders including irritable bowel syndrome, systemic lupus erythematosus, and neurodegenerative disorders. At least two isoforms of IL-16 are known to exist; the longer isoform (also known as NIL-16) is detected only in neurons of the cerebellum and hippocampus.

NCBI AND UNIPROT INFORMATION

NCBI GI #	36953836
NCBI GeneID	3603
UniProt Accession #	Q14005; Q16435; Q6VVE6; Q6ZMQ7; Q9UP18; A6NM20; A8MU65; B5TY35; B9EGR6; H3BVH5
Molecular Weight	59,345 Da
NCBI Official Full Name	neural interleukin 16 protein
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16

NCBI Official Synonym Symbols	LCF; NIL16; PRIL16; prIL-16
NCBI Protein Information	pro-interleukin-16; prointerleukin 16; neuronal interleukin 16; lymphocyte chemoattractant factor
UniProt Protein Name	Pro-interleukin-16
UniProt Gene Name	IL16
UniProt Synonym Gene Names	IL-16; LCF
UniProt Entry Name	IL16_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/il-16-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40351>