

Rabbit IL-16 Polyclonal Antibody | anti-IL-16 antibody

IL-16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301918	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

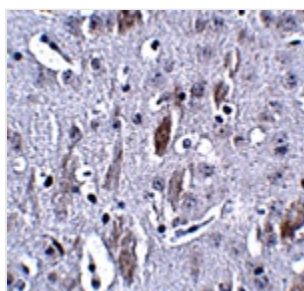
PRODUCT SYNONYMS

IL-16; Polyclonal Antibody; IL-16 Antibody; Interleukin 16; leukocyte chemoattractant factor; LCF; NIL-16; anti-IL-16 antibody

PRODUCT SPECIFICATIONS

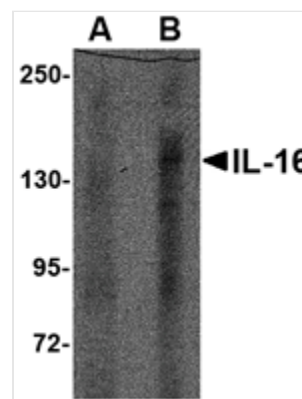
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody will only detect the NIL-16 isoform.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1332
Applicable Applications for anti-IL-16 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the amino terminus of human IL-16.
Target Name	IL-16
Preparation and Storage	Can be stored at -20 degree C, stable for 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



IHC (Immunohistochemistry)

Immunohistochemistry of IL-16 in mouse brain tissue with IL-16 antibody at 2.5 ug/mL.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-IL-16 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	36953836
Molecular Weight	59,345 Da
NCBI Official Full Name	neural interleukin 16 protein
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-immunohistochemistry-western-blot-elisa/301918>