Datasheet for ABIN499974

anti-IL16 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	IL16
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL16 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	IL-16 antibody was raised against a 20 amino acid peptide near the amino terminus of Human IL-16.
Isotype:	IgG
Specificity:	This antibody recognizes IL-16.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IL16
Alternative Name:	Interleukin-16 / IL16 (IL16 Products)

Target Details

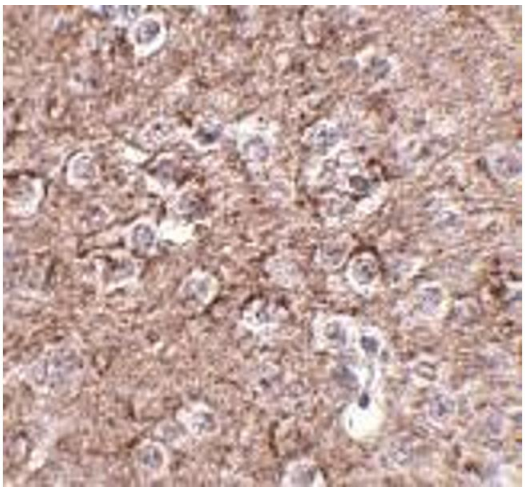
Background:	IL-16 was initially identified as a chemotactic cytokine, but is now known to possess a wide range of activities. Later studies have more fully characterized IL-16 as an immunomodulatory cytokine that contributes to the regulatory process of CD4+ T cell recruitment and activation at sites 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. This antibody will only detect the NIL-16 isoform.Synonyms: IL-16, LCF, Lymphocyte chemoattractant factor
Gene ID:	3603
NCBI Accession:	NP_004504
UniProt:	Q14005

Application Details

Application Notes:	ELISA. Western Blot: (1-2 µg/mL). Rat brain tissue lysate can be used as positive control. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

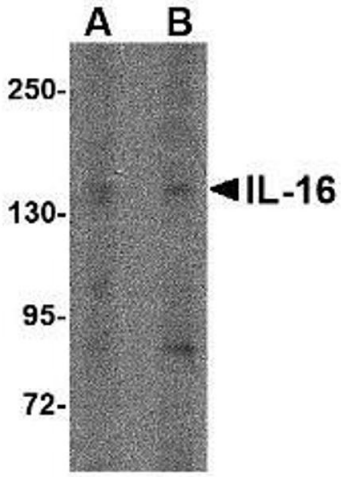
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of IL-16 in mouse brain tissue with IL-16 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of IL-16 in rat brain tissue lysate with AP30407PU-N IL-16 antibody at (A) 1 µg/ml and (B) 2 µg/ml.