

IL-16 (G97) polyclonal antibody

Catalog: BS3690

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Originally known as lymphocyte chemoattractant factor (LCF), Interleukin-16 (IL-16) is a product of human peripheral mononuclear cells when antigen-stimulated or mitogen-stimulated. It is also produced by dendritic cells, epithelial cells, eosinophils, fibroblasts and mast cells. The pro-form of IL-16 is a 631 amino acid protein that is cleaved by caspase 3 in activated CD4+ T cells where it is then secreted and is accessible for binding CD4 receptors. IL-16 regulates and induces migratory response in CD4+ lymphocytes, eosinophils, and monocytes. It is a soluble ligand for CD4 and functions to prime responsiveness to IL-2 and IL-15 in CD4+ T-cells. Although Isoform 1's function is thought to be as an anchor to membrane ion channels, Isoform 3 is more widely researched and characterized as component of T-cell cycle progression.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 142 kDa

Swiss-Prot:

Q14005

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

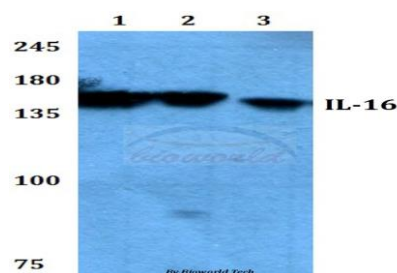
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

IL-16 (G97) polyclonal antibody detects endogenous levels of IL-16 protein.

DATA:

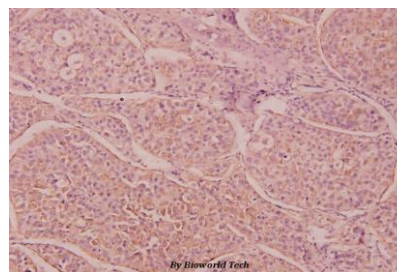


Western blot (WB) analysis of IL-16 (G97) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of IL-16 (G97) pAb in paraffin-embedded human liver carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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