

IL37 polyclonal antibody

Catalog: BS60298

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

IL-1 (Interleukin-1) is a cytokine responsible for initiating a variety of activities through the activation of transcription factors, NF κ B and AP-1, thereby promoting host response to injury or infection. The IL-1 superfamily is comprised of several ligands and receptors. IL-1F7, also known as IL-1 ζ , IL-1 homolog 4 (IL-1H4) or IL-1 related protein 1 (IL-1rp1), is a secreted ligand belonging to this superfamily. It is expressed in the cytoplasm of peripheral monocyctic cells localizing to the inner surface of the plasma membrane and surrounding the nuclear membrane suggesting that IL-1F7 may play a role in immune regulation. Five isoforms exist for this protein due to alternative splicing and they are designated IL-1F7a through IL-1F7e. Isoform a has a distinct N-terminus while isoforms c-d are truncated. Isoform b is the mature functional isoform that binds to the IL-18R α -chain and the IL-18 binding protein (IL-18BP) acting as an IL-18 antagonist. IL-1F7 is closely related to IL-1ra, sharing 36% sequence identity.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 26 kDa

Swiss-Prot:

Q9NZH6

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

IL37 polyclonal antibody detects endogenous levels of IL37 protein.

DATA:



Western blot (WB) analysis of IL37 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:H9C2 cell lysate

Note:

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

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