

IL-32 Antibody

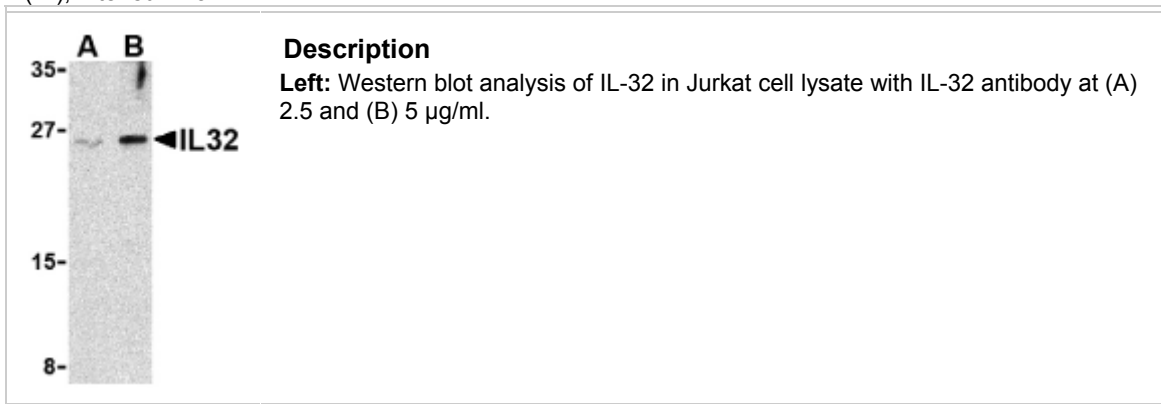
SIG-3751

Background

Interleukin-32 (IL-32) was initially identified as a transcript (NK4) that is selectively expressed in lymphocytes and NK cells and whose expression is increased following activation by IL-2. It was later re-isolated from an IL-18-treated lung carcinoma cell line and re-named IL-32 (2). IL-32 is unusual in that it does not share sequence homology with known cytokine families and is highly expressed in immune tissues, existing in at least four differentially spliced isoforms. Because treatment of human monocytic and mouse macrophage cells with IL-32 induces several proinflammatory cytokines such as TNF- α , IL-8 and MIP-2, and because it is also induced in human peripheral lymphocyte cells after mitogen stimulation and in epithelial cells by IFN γ , it has been suggested that IL-32 may play a role in autoimmune and inflammatory diseases such as rheumatoid arthritis (3).

Additional Names

IL-32 (IN), Interleukin 32



Source

IL-32 antibody was raised against a 16 amino acid peptide from near the center of human IL-32.

Purification

Affinity chromatography purified via peptide column

Clonality / Clone

This is a polyclonal antibody.

Host

IL-32 antibody was raised in rabbit.

Please use anti-rabbit secondary antibodies.

Immunogen

Human IL-32 (Intermediate Domain) Peptide

Application

IL-32 antibody can be used for the detection of IL-32 by Western blot at 2.5 – 5 µg/ml. This antibody detects the largest isoform of IL-32.

Tested Application

E, WB

Buffer

Antibody is supplied in PBS containing 0.02% sodium azide.

Blocking Peptide

IL-32 Peptide (contact Zyagen for availability)

Storage

IL-32 antibody can be stored at 4°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.

Positive Control

Jurkat Cell Lysate (contact Zyagen for availability)

Species Reactivity

H, M

Protein GI Number

14424787

Protein Accession Number

AAH09401

Short Description

(IN) Interleukin 32

References

1. Dahl CA, Schall RP, He HL, et al. Identification of a novel gene expressed in activated natural killer cells and T cells. *J. Immunol.* 1992; 148:597-603.
2. Kim S-H, Han S-Y, Azam T, et al. Interleukin-32: a cytokine and inducer of TNF- α . *Immunity* 2005; 22:131-42.
3. Cagnard N, Letourneur F, Essabbani A, et al. Interleukin-32, CCL2, PF4F1 and GFD10 are the only cytokine/chemokine genes differentially expressed by in vitro cultured rheumatoid and osteoarthritis fibroblast-like synoviocytes. *Eur. Cyto. Network* 2005; 16:289-92.