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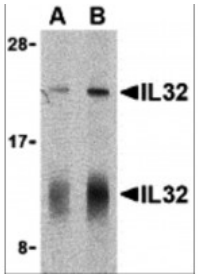
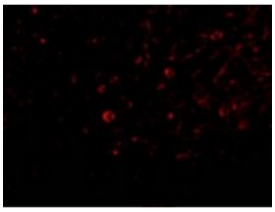
IL-32 Antibody

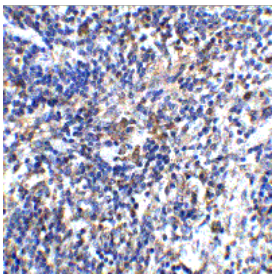
CATALOG NUMBER: 3749



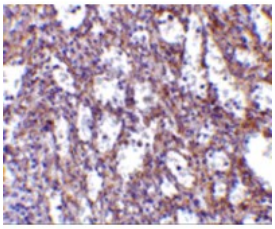
Western blot analysis of IL-32 in human spleen lysate with IL-32 antibody at (A) 5 and (B) 10 ug/mL shows two isoforms of IL-32.



Immunofluorescence of IL-32 in Human Spleen cells with IL-32 antibody at 20 ug/mL.



Immunohistochemistry of IL-32 in mouse spleen tissue with IL-32 antibody at 5 ug/ml.



Immunohistochemistry of IL-32 in human spleen tissue with IL-32 antibody at 10 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	IL-32 antibody can be used for the detection of IL-32 by Western blot at 5 - 10 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1306 - Human Spleen Tissue Lysate
SPECIFICITY:	This antibody detects all isoforms of IL-32.
IMMUNOGEN:	IL-32 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human IL-32. The immunogen is located within the last 50 amino acids of IL-32.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	IL-32 Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid

BUFFER:	IL-32 Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	IL-32 antibody can be stored at 4˚C for three months and -20˚C, stable for up to 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.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	IL-32 Antibody: NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd, IL-32beta, IL-32alpha, IL-32delta, IL-32gamma, NK4, Interleukin-32, Natural killer cells protein 4, IL-32
ACCESSION NO.:	AAH09401
PROTEIN GI NO.:	14424787
OFFICIAL SYMBOL:	IL32
GENE ID:	9235

Background

BACKGROUND:	IL-32 Antibody: 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. 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 IFNγ, it has been suggested that IL-32 may play a role in autoimmune and inflammatory diseases such as rheumatoid arthritis.
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-a. 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.

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