Rabbit anti-Human IL-37 Polyclonal Antibody | anti-IL37 antibody

IL-37 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40493	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

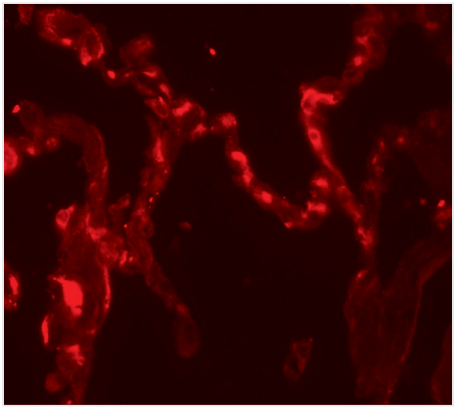
PRODUCT SYNONYMS

IL-37; Polyclonal Antibody; IL-37 Antibody; IL-37 Antibody : FIL1; FIL1Z; IL-1H; IL1F7; IL1H4; IL-1F7; IL-1H4; IL1RP1; IL-1RP1; FIL1(ZETA); Interleukin-37; FIL1 zeta; interleukin 37; anti-IL37 antibody

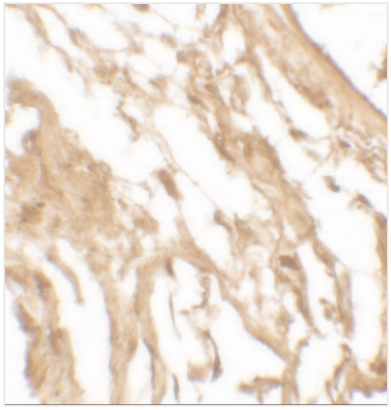
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IL-37 antibody is human specific. Multiple isoforms of IL-37 are known to exist; this antibody will only detect the largest isoform. IL-37 antibody is predicted to not cross-react with IL-36.
Purity/Purification	IL-37 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	218
Applicable Applications for anti-IL37 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	IL-37 antibody was raised against a 17 amino acid peptide near the amino terminus of human IL-37.
Buffer	IL-37 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	IL-37 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

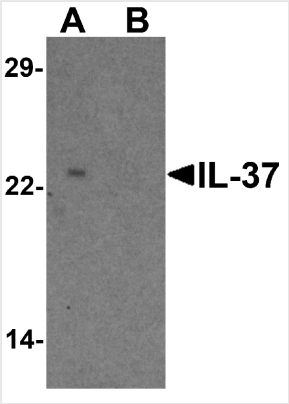
IMAGES



IF (Immunofluorescence)
Immunofluorescence of IL-12A in human kidney tissue with IL-12A antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of IL-12A in human kidney tissue with IL-12A antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of IL-37 in human lung tissue lysate with IL-37 antibody at 1 μg/ml in (A) the presence and (B) the absence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL37 antibody	Interleukin 37 (IL-37) is a member of the interleukin 1 cytokine family (reviewed in 1). It can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). IL-37 also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18 (1). IL-37 can also interact with Smad3 and expression of IL-37 in macrophages or epithelial cells resulted in near complete suppression of pro-inflammatory cytokines, suggesting that IL-37 may act as a natural suppressor of the innate inflammatory and immune responses (2,3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	20127524
NCBI GeneID	27178
NCBI Accession #	NP_055254
NCBI GenBank Nucleotide #	NM_014439.3
UniProt Accession #	Q9NZH6; Q56AP9; Q8TD04; Q8TD05; Q9HBF2; Q9HBF3; Q9UHA6; B5BU97
Molecular Weight	Predicted: 24 kDa Observed: 23kDa
NCBI Official Full Name	interleukin-37 isoform 1

NCBI Official Synonym Full Names	interleukin 37
NCBI Official Symbol	IL37
NCBI Official Synonym Symbols	FIL1; FIL1Z; IL-1H; IL-37; IL1F7; IL1H4; IL-1F7; IL-1H4; IL1RP1; IL-1RP1; FIL1(ZETA)
NCBI Protein Information	interleukin-37; FIL1 zeta; IL-1 zeta; IL-1X protein; interleukin-23; interleukin 1, zeta; interleukin-1 homolog 4; interleukin-1 superfamily z; interleukin 1 family member 7; interleukin-1-related protein; IL-1F7b (IL-1H4, IL-1H, IL-1RP1); IL1F7 (canonical product IL-1F7b)
UniProt Protein Name	Interleukin-37
UniProt Gene Name	**IL37**
UniProt Synonym Gene Names	FIL1Z; IL1F7; IL1H4; IL1RP1; IL-1F7; IL-1H; IL-1H4; IL-1 zeta; IL-1RP1; IL-37
UniProt Entry Name	IL37_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/il-37-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40493