



## IL-1F7 Polyclonal Antibody

Catalog No	BYab-10686
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	IL37 FIL1Z IL1F7 IL1H4 IL1RP1
Protein Name	Interleukin-37 (FIL1 zeta) (IL-1X) (Interleukin-1 family member 7) (IL-1F7) (Interleukin-1 homolog 4) (IL-1H) (IL-1H4) (Interleukin-1 zeta) (IL-1 zeta) (Interleukin-1-related protein) (IL-1RP1) (Inter
Immunogen	Synthetic peptide from human protein at AA range: 101-150
Specificity	The antibody detects endogenous IL-1F7
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Dilution Concentration	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200 1 mg/ml
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Concentration Purity Storage Stability	1 mg/ml ≥90% -20°C/1 year Interleukin-37 (FIL1 zeta;IL-1X;Interleukin-1 family member 7;IL-1F7;Interleukin-1 homolog 4;IL-1H;IL-1H4;Interleukin-1 zeta;IL-1 zeta;Interleukin-1-related
Concentration Purity Storage Stability Synonyms	1 mg/ml ≥90% -20°C/1 year Interleukin-37 (FIL1 zeta;IL-1X;Interleukin-1 family member 7;IL-1F7;Interleukin-1 homolog 4;IL-1H;IL-1H4;Interleukin-1 zeta;IL-1 zeta;Interleukin-1-related
Concentration Purity Storage Stability Synonyms Observed Band	1 mg/ml ≥90% -20°C/1 year Interleukin-37 (FIL1 zeta;IL-1X;Interleukin-1 family member 7;IL-1F7;Interleukin-1 homolog 4;IL-1H;IL-1H4;Interleukin-1 zeta;IL-1 zeta;Interleukin-1-related protein;IL-1RP1;Interleukin-23;IL-37) Cytoplasm, cytosol . Nucleus . Secreted . Stimulation with IL1B leads to colocalization with SMAD3 mostly in perinuclear regions (PubMed:20935647, PubMed:33674380). Only the CASP1-cleaved mature form translocates into the nucleus upon LPS stimulation (PubMed:18390730). The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and

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	isoform B in kidney and only isoform C in heart.
Function	function:Binds to interleukin-18 receptor (IL-18R) receptor but not to IL-1 receptor. Could be a new player in the inflammatory and immune responses mediated by the IL-18/IL-18R axis.,induction:By phorbol ester (PMA) in different cell lines.,miscellaneous:The sequence shown here is derived from an EMBL/GenBank/DDBJ third party annotation (TPA) entry.,online information:Interleukin-1 entry,similarity:Belongs to the IL-1 family.,tissue specificity:Isoform A, isoform B and isoform C are expressed in testis, colon, placenta, lung and lymph node. Isoform D and isoform E were found only in testis and bone marrow. Whereas only isoform A is found in brain, only isoform B in kidney and only isoform C in heart.,
Background	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine 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. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

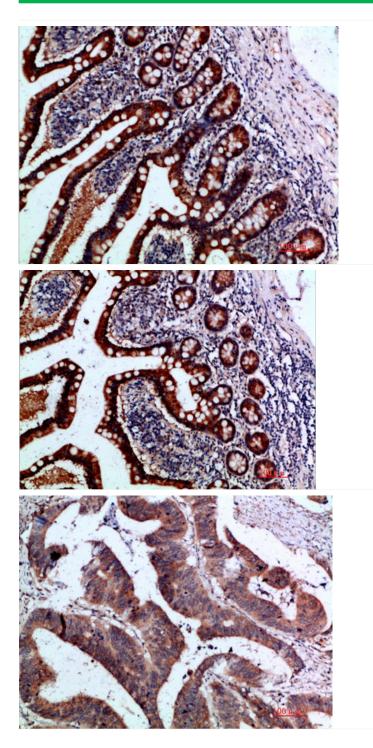
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## **Products Images**



Immunohistochemical analysis of paraffin-embedded human-small-intestine, antibody was diluted at 1:200

Immunohistochemical analysis of paraffin-embedded human-small-intestine, antibody was diluted at 1:200

Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:200

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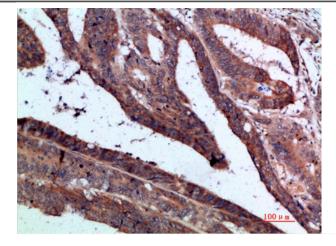
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