

Rabbit IL36 alpha/IL36A Polyclonal Antibody | anti-IL36A antibody

Anti-IL36 alpha/IL36A Antibody

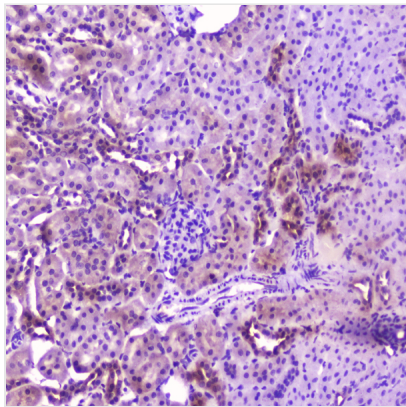
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124967	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

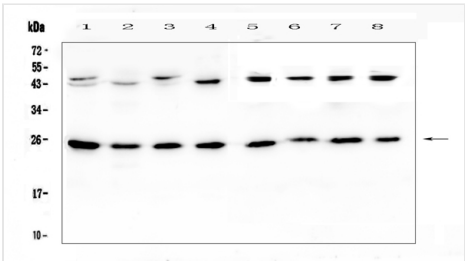
IL36 alpha/IL36A; Polyclonal Antibody; Anti-IL36 alpha/IL36A Antibody; Interleukin-36 alpha; FIL1 epsilon; Interleukin-1 epsilon; IL-1 epsilon; Interleukin-1 family member 6; IL-1F6; IL36A; FIL1E; IL1E; IL1F6; Interleukin 36; alpha; anti-IL36A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	158
Applicable Applications for anti-IL36A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human IL36 alpha recombinant protein (Position: K6-D151).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of IL36 alpha using anti-IL36 alpha antibody. IL36 alpha was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/mL rabbit anti-IL36 alpha antibody. IL36 alpha was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/mL rabbit anti-IL36 alpha Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of IL36 alpha using anti-IL36 alpha antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat lung tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse lung tissue lysates, Lane 5: human Hela whole cell lysates, Lane 6: human placenta tissue lysates, Lane 7: human MCF-7 whole cell lysates, Lane 8: human HepG2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL36 alpha antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IL36 alpha at approximately 25KD. The expected band size for IL36 alpha is at 17KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IL36A antibody	Description: Rabbit IgG polyclonal antibody for IL36 alpha detection. Tested with WB, IHC-P, ELISA (Cap) in Human; Mouse; Rat. Background: Interleukin-36 alpha also known as interleukin-1 family member 6 (IL1F6) is a protein that in humans is encoded by the IL36A gene. The protein encoded by this gene is a cytokine that can activate NF-kappa-B and MAPK signaling pathways to generate an inflammatory response. The encoded protein functions primarily in skin and demonstrates increased expression in psoriasis. In addition, decreased expression of this gene has been linked to a poor prognosis in both hepatocellular carcinoma and colorectal cancer patients.
References	1. Smith DE, Renshaw BR, Ketchem RR, Kubin M, Garka KE, Sims JE (Feb 2000). "Four new members expand the interleukin-1 superfamily". J Biol Chem. 275 (2): 1169-75.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657092
NCBI GeneID	27179
NCBI Accession #	NP_055255.1
NCBI GenBank Nucleotide #	NM_014440.2
UniProt Accession #	Q9UHA7; Q53SR7; Q5BLR4; Q7RTZ8; B2RAD9
Molecular Weight	17,684 Da
NCBI Official Full Name	interleukin-36 alpha
NCBI Official Synonym Full Names	interleukin 36 alpha
NCBI Official Symbol	IL36A
NCBI Official Synonym Symbols	FIL1; FIL1E; IL1F6; IL-1F6; IL1(EPSILON); FIL1(EPSILON)
NCBI Protein Information	interleukin-36 alpha
UniProt Protein Name	Interleukin-36 alpha

UniProt Gene Name	IL36A
UniProt Synonym Gene Names	FIL1E; IL1E; IL1F6; IL-1 epsilon; IL-1F6

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://stage.aaabiotech.com/polyclonal/il36-alpha-il36a-antibody-immunohistochemistry-western-blot-elisa/124967>