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IL-1 delta/IL36RN Rabbit pAb

Catalog # AP98843

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UBH0
Other Accession	Q9UBH0
Predicted	Rat, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16962
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IL-1 delta/IL36RN
Epitope Specificity	51-130/155
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the IL-1 family.
DISEASE	Defects in IL36RN are the cause of psoriasis generalized pustular (PSORP) [MIM:614204]. PSORP is a life-threatening disease defined by repeated flares of sudden onset consisting of diffuse erythematous skin eruption characterized by rapid coverage with pustules, high-grade fever, asthenia, marked leukocytosis, and elevated serum levels of C-reactive protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6). This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	26525
Other Names	I36RA_HUMAN; IL36RN; IL-36Ra; FIL1 delta; IL-1-related protein 3 (IL-1RP3); Interleukin-1 HY1 (IL-1HY1); Interleukin-1 delta (IL-1 delta); Interleukin-1 family member 5 (IL-1F5); Interleukin-1 receptor antagonist homolog 1 (IL-1ra homolog 1); Interleukin-1-like protein 1 (IL-1L1); FIL1D; IL1F5; IL1HY1; IL1L1; IL1RP3; I36RA_MOUSE; Interleukin-1 homolog 3 (IL-1H3); Il1h3; interleukin 36 receptor antagonist; interleukin 1 family, member 5 (delta); family of interleukin 1-delta; interleukin-1 receptor antagonist homolog 1; interleukin-1 HY1; IL-1 related protein 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	IL36RN (HGNC:15561)
Function	Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2 and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens, such as Aspergillus fumigatus. May activate an anti- inflammatory signaling pathway by recruiting SIGIRR.
Cellular Location	Cytoplasm. Secreted. Note=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 secretion.
Tissue Location	Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Detected also in the spleen, brain leukocyte and macrophage cell types. Increased in lesional psoriasis skin.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.