

ARG59318 anti-IL36 alpha antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes IL36 alpha |
| Tested Reactivity | Hu, Rat |
| Predict Reactivity | Ms |
| Tested Application | IHC-P |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | IL36 alpha |
| Species | Human |
| Immunogen | Recombinant protein corresponding to K6-D151 of Human IL36 alpha. |
| Conjugation | Un-conjugated |
| Alternate Names | FIL1; Interleukin-36 alpha; IL-1F6; IL-1 epsilon; Interleukin-1 family member 6; FIL1E; FIL1(EPSILON); FIL1 epsilon; IL1(EPSILON); IL1F6; Interleukin-1 epsilon |

Application Instructions

| | | |
|-------------------|--|---------------|
| Application table | Application | Dilution |
| | IHC-P | 0.5 - 1 µg/ml |
| Application Note | IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

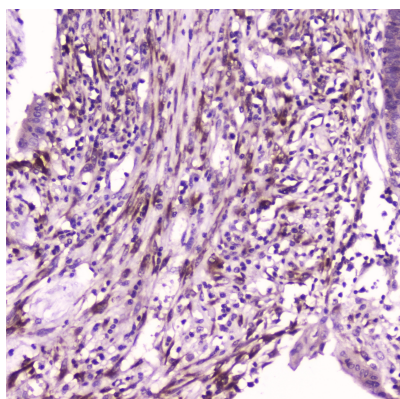
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

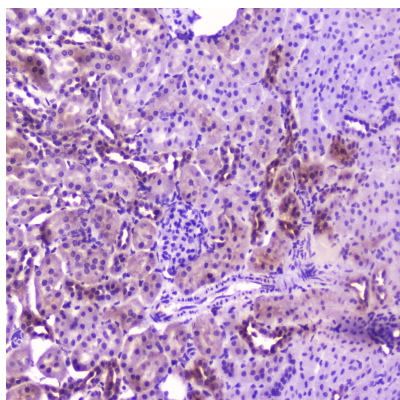
| | |
|-----------------------|--|
| Gene Symbol | IL36A |
| Gene Full Name | interleukin 36, alpha |
| Function | Cytokine that binds to and signals through the IL1RL2/IL-36R receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells linked to a pro-inflammatory response. 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 IL1RAP. Seems to be involved in skin inflammatory response by acting on keratinocytes, dendritic cells and indirectly on T cells to drive tissue infiltration, cell maturation and cell proliferation. In cultured keratinocytes induces the expression of macrophage, T cell, and neutrophil chemokines, such as CCL3, CCL4, CCL5, CCL2, CCL17, CCL22, CCL20, CCL5, CCL2, CCL17, CCL22, CXCL8, CCL20 and CXCL1, and the production of proinflammatory cytokines such as TNF-alpha, IL-8 and IL-6. In cultured monocytes upregulates expression of IL-1A, IL-1B and IL-6. In myeloid dendritic cells involved in cell maturation by upregulating surface expression of CD83, CD86 and HLA-DR. In monocyte-derived dendritic cells facilitates dendritic cell maturation and drives T cell proliferation. May play a role in proinflammatory effects in the lung. [UniProt] |
| Calculated Mw | 18 kDa |
| PTM | N-terminal truncation leads to a dramatic enhancement of its activity (>1000-fold). [UniProt] |
| Cellular Localization | Secreted. [UniProt] |

Images



ARG59318 anti-IL36 alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59318 anti-IL36 alpha antibody at 2 µg/ml dilution, overnight at 4°C.



ARG59318 anti-IL36 alpha antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59318 anti-IL36 alpha antibody at 2 µg/ml dilution, overnight at 4°C.