

## Rabbit anti-Human IL36 alpha/IL-1F6 Polyclonal Antibody | anti-IL36A antibody

Anti-IL36 alpha/IL-1F6 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA255023 | Rabbit | Human      | Immunoprecipitation, ELISA, Western Blot |

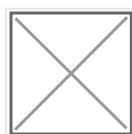
### PRODUCT SYNONYMS

IL36 alpha/IL-1F6; Polyclonal Antibody; Anti-IL36 alpha/IL-1F6 Antibody; Rabbit Polyclonal; IL-1F6 Antibody; Rabbit PAb; Antigen Affinity Purified; interleukin 36; alpha; Anti-1E Antibody; Anti-FIL Antibody; Anti-FIL1 Antibody; Anti-FIL1(EPSILON) Antibody; Anti-FIL1E Antibody; Anti-IL-1F6 Antibody; Anti-IL1(EPSILON) Antibody; Anti-IL1E Antibody; Anti-IL1F6 Antibody; Anti-IL36A Antibody; anti-IL36A antibody

### PRODUCT SPECIFICATIONS

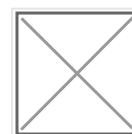
|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                     | Human IL-1F6                                                                                                                                                                                                                                                          |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-IL36A antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                    |
| Immunogen                                       | Recombinant Human IL-1F6 Protein                                                                                                                                                                                                                                      |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | Produced in rabbits immunized with purified, recombinant Human IL-1F6 (rh IL-1F6). IL-1F6 specific IgG was purified by Human IL-1F6 affinity chromatography.                                                                                                          |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

IL1F6 was immunoprecipitated using: Lane A: 0.5 mg MDA-MB231 Whole Cell Lysate 2 uL anti-IL1F6 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-IL1F6 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 18 kDa. Observed band size: 23 kDa.



#### WB (Western Blot)

Anti-IL1F6 rabbit polyclonal antibody at 1:500 dilution. Lane A: MDA-MB231 Whole Cell Lysate. Lane B: HT1080 Whole Cell Lysate. Lane C: MCF7 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 18 kDa. Observed band size: 24 kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-IL36A antibody | Interleukin-1 family member 6 (IL-1F6), also known as interleukin 36, alpha (IL36A), is a pro-inflammatory cytokine that plays an important role in innate and adaptive immunity. IL-1F6 activates MAPK and NF-kB pathways and is produced by many different cells. This cytokine is a family member of interleukin-1 (IL-1) and plays an important role in the pathophysiology of several diseases. It has been reported that IL-1F6 and IL-1F8, in addition to IL-1F9, activate the pathway leading to NF-kappaB in an IL-1Rrp2-dependent manner in Jurkat cells as well as in multiple other human and mouse cell lines. Activation of the pathway leading to NF-kappaB by IL-1F6 and IL-1F8 follows a similar time course to activation by IL-1beta, suggesting that signaling by the novel family members occurs through a direct mechanism. In a mammary epithelial cell line, NCI/ADR-RES, which naturally expresses IL-1Rrp2, all three cytokines signal without further receptor transfection. IL-1Rrp2 antibodies block activation of the pathway leading to NF-kappaB by IL-1F6, IL-1F8, and IL-1F9 in both Jurkat and NCI/ADR-RES cells. Thus IL-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RAcP. |
| Product Categories/Family for anti-IL36A antibody   | IL1 signaling pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| References                                          | Tripodi D, et al. (2012) IL-36 a new member of the IL-1 family cytokines. J Biol Regul Homeost Agents. 26(1):7-14.Towne JE, et al. (2004) Interleukin (IL)-1F6, IL-1F8, and IL-1F9 signal through IL-1Rrp2 and IL-1RAcP to activate the pathway leading to NF-kappaB and MAPKs. J Biol Chem. 279(14): 13677-88.Kumar S, et al. (2000) Identification and initial characterization of four novel members of the interleukin-1 family. J Biol Chem. 275(14): 10308-14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 7657092                                                                                                                                                                                          |
| NCBI GeneID                      | 27179                                                                                                                                                                                            |
| NCBI Accession #                 | NP_055255.1                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_014440.1                                                                                                                                                                                      |
| 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; FIL1 epsilon; IL-1 epsilon; IL-1F6 (FIL-1-epsilon); interleukin 1 family, member 6 (epsilon); interleukin 1, epsilon; interleukin-1 epsilon; interleukin-1 family member 6 |
| UniProt Protein Name             | Interleukin-36 alpha                                                                                                                                                                             |
| UniProt Gene Name                | IL36A                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | FIL1E; IL1E; IL1F6; IL-1 epsilon; IL-1F6                                                                                                                                                         |
| UniProt Entry Name               | IL36A_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.