

## Product datasheet for **TA506850**

### **IL1 alpha (IL1A) Mouse Monoclonal Antibody [Clone ID: OTI2F11]**

#### **Product data:**

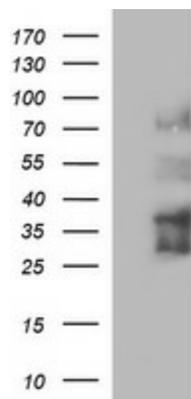
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2F11
<b>Applications:</b>	IF, IHC, WB
<b>Recommend Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human IL1A(NP_000566) produced in HEK293T cell.
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Predicted Protein Size:</b>	30.4 kDa
<b>Gene Name:</b>	interleukin 1 alpha
<b>Database Link:</b>	<a href="#">NP_000566 Entrez Gene 3552 Human</a>
<b>Background:</b>	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq, Jul 2008]
<b>Synonyms:</b>	IL-1A; IL1; IL1-ALPHA; IL1F1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein



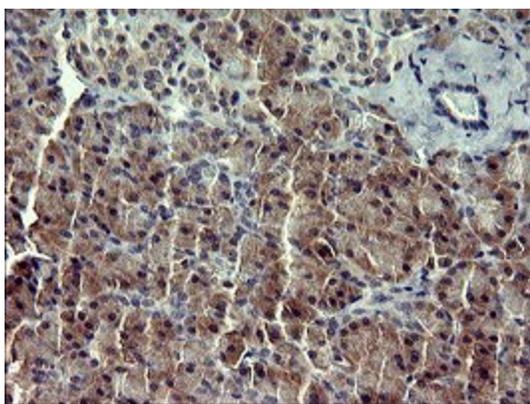
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**Protein Pathways:** Apoptosis, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Hematopoietic cell lineage, MAPK signaling pathway, Prion diseases, Type I diabetes mellitus

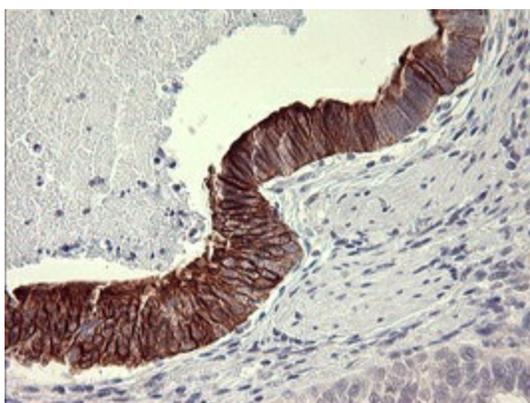
### Product images:



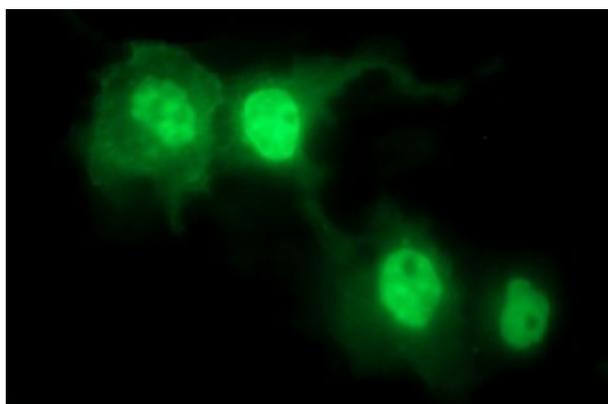
HEK293T cells lysate (5ug, left lane) and full length human recombinant protein of human IL1A (NP\_000566) produced in HEK293T cell (5ug, right lane) were separated by SDS-PAGE and immunoblotted with anti-IL1A.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-IL1A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506850)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-IL1A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, TA506850)



Anti-IL1A mouse monoclonal antibody (TA506850) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY IL1A ([RC202084]).