

# Anti-IL-1 Alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

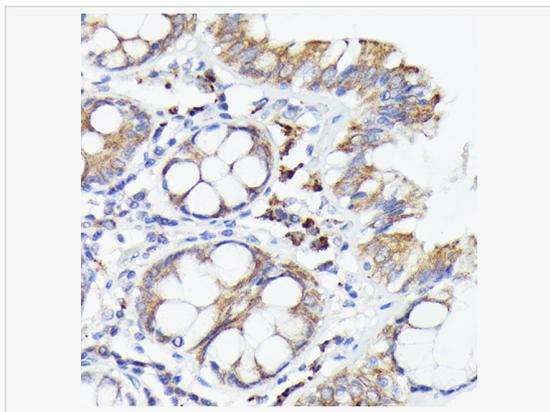
Catalog # P101434

## Product Information

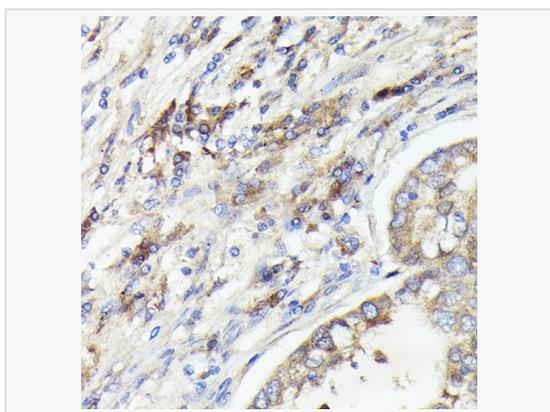
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 113-267 of human IL-1 alpha (NP_000566.3).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL-1 Alpha Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

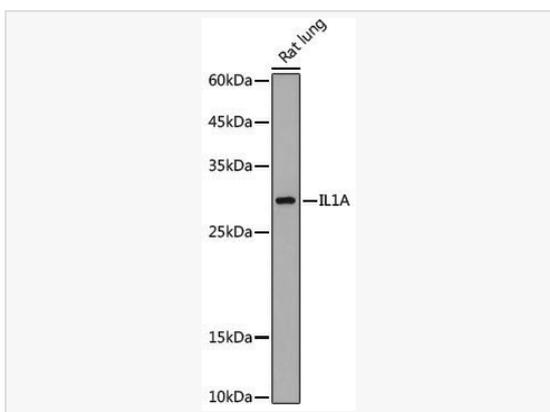
Synonyms	IL1; IL-1A; IL1F1; IL1-ALPHA; IL-1 alpha.
Calculated MW	Calculated MW: 31 kDa; Observed MW: 31 kDa/21 kDa
Uniprot ID	P01583
Gene ID	3552
Background	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune 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.



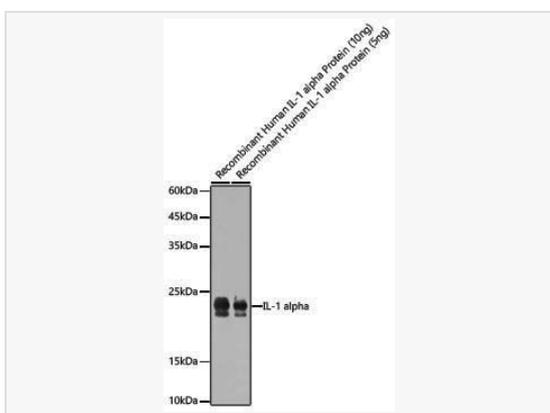
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using IL-1 alpha Rabbit pAb (P101434) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using IL-1 alpha Rabbit pAb (P101434) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western blot analysis of lysates from Rat lung, using IL-1 alpha Rabbit pAb (P101434) at 1:1,000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Kit.  
 Exposure time: 180s.



Western blot analysis of Recombinant Human IL-1 alpha Protein, using IL-1 alpha Rabbit pAb (P101434) at 1:1,000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
 Lysates/proteins: 10ng/5ng per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Kit.  
 Exposure time: 180s.