

IL1 alpha Antibody

Catalog No: #48528



Package Size: #48528-1 50ul #48528-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

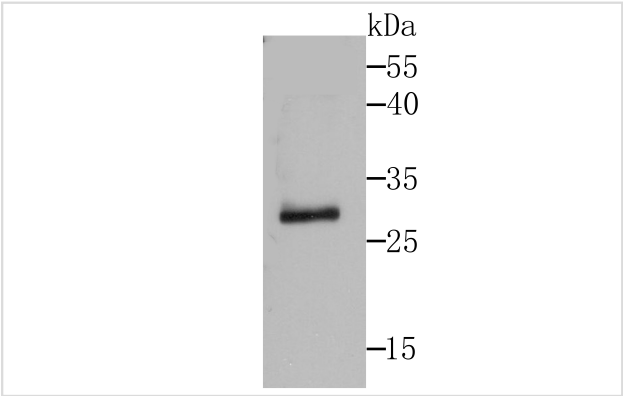
Description

Product Name	IL1 alpha Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Protein affinity purified
Applications	IHC,FC,WB
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	BAF antibody FAF antibody Hematopoietin 1 antibody Hematopoietin-1 antibody IL 1 alpha antibody IL 1A antibody IL-1 alpha antibody IL-1a antibody IL1 ALPHA antibody IL1 antibody IL1A antibody IL1A_HUMAN antibody IL1F1 antibody Interleukin 1 alpha antibody Interleukin-1 alpha antibody Interleukin1 alpha antibody LAF antibody LEM antibody Preinterleukin 1 alpha antibody Pro interleukin 1 alpha antibody
Accession No.	Swiss-Prot#:P01583
Uniprot	P01583
GeneID	3552;
Calculated MW	31 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

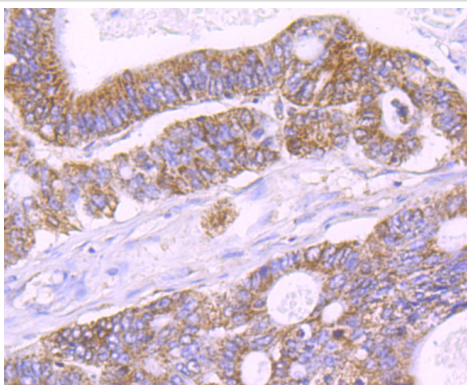
Application Details

IHC: 1:400-1:800FC: 1:50-1:100

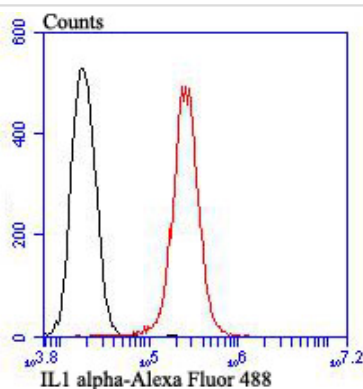
Images



Western blot analysis of IL1 alpha on human lymph node lysates using anti-IL1 alpha antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-IL1 alpha antibody. Counter stained with hematoxylin.



Flow cytometric analysis of PC-3M cells with IL1 alpha antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Two forms of interleukin-1, designated IL-1 α and IL-1 β , have been described. Although encoded by distinct genes and exhibiting roughly only 25% sequence identity, IL-1 α and IL-1 β bind to the same receptor and seem to elicit similar biological responses. IL-1 production is generally thought to be associated with inflammation, but it has also been shown to be expressed during kidney development, thymocyte differentiation and cartilage degradation. IL-1 plays a critical role in the regulation of immune response and inflammation, acting as an activator of T and B lymphocytes and natural killer (NK) cells. In T cells, IL-1 stimulates the production of IL-2 and selectively inhibits IL-4 expression. IL-1 induces B cell proliferation and maturation, and immunoglobulin synthesis. NK cells require IL-1 β for production of the anti-pathogen IFN- γ . IL-1 has also been implicated in several pathological conditions including rheumatoid arthritis, inflammatory bowel disease and atherosclerosis.

References

Note: This product is for in vitro research use only