

IL1F7 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a full length recombinant IL1F7.

Catalog # AT2510a

Product Information

Application	WB, IHC, E
Primary Accession	Q9NZH6
Other Accession	BC020637
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6A6
Calculated MW	24126

Additional Information

Gene ID	27178
Other Names	Interleukin-37, FIL1 zeta, IL-1X, Interleukin-1 family member 7, IL-1F7, Interleukin-1 homolog 4, IL-1H, IL-1H4, Interleukin-1 zeta, IL-1 zeta, Interleukin-1-related protein, IL-1RP1, Interleukin-23, IL-37, IL37, FIL1Z, IL1F7, IL1H4, IL1RP1
Target/Specificity	IL1F7 (AAH20637, 1 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	IL1F7 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

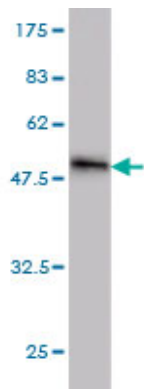
Background

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported.

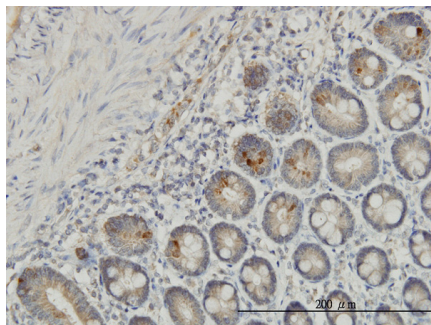
References

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496. The interleukin-1 family gene polymorphisms in Korean patients with rheumatoid arthritis. Jung MY, et al. Scand J Rheumatol, 2010 May. PMID 20141484. Association of IL-1F7 gene with susceptibility to human leukocyte antigen-B27 positive ankylosing spondylitis in Han Chinese population. Pan F, et al. Clin Chim Acta, 2010 Jan. PMID 19874811. Interleukin 1 polymorphisms in patients with ankylosing spondylitis in Korea. Kim TJ, et al. J Rheumatol, 2008 Aug. PMID 18484691. The IL-1 family member 7b translocates to the nucleus and down-regulates proinflammatory cytokines. Sharma S, et al. J Immunol, 2008 Apr 15. PMID 18390730.

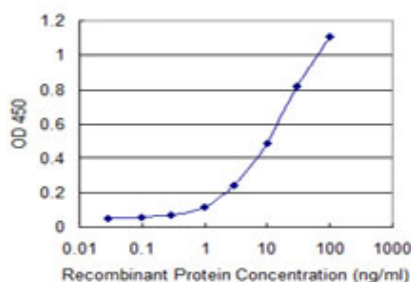
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.72 KDa) .



Immunoperoxidase of monoclonal antibody to IL1F7 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged IL1F7 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.