10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL20 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant IL20.
Catalog # AT2514a

Product Information

Application	WB, IP, E
Primary Accession	Q9NYY1
Other Accession	NM_018724
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2H8
Calculated MW	20072

Additional Information

Gene ID	50604
Other Names	Interleukin-20, IL-20, Cytokine Zcyto10, IL20, ZCYTO10
Target/Specificity	IL20 (NP_061194, 67 a.a. ~ 176 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A 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	IL20 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

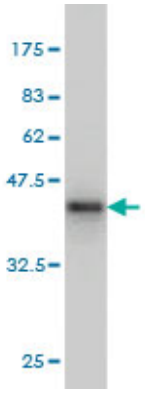
The protein encoded by this gene is a cytokine structurally related to interleukin 10 (IL10). This cytokine has been shown to transduce its signal through signal transducer and activator of transcription 3 (STAT3) in keratinocytes. A specific receptor for this cytokine is found to be expressed in skin and upregulated dramatically in psoriatic skin, suggesting a role for this protein in epidermal function and psoriasis.

References

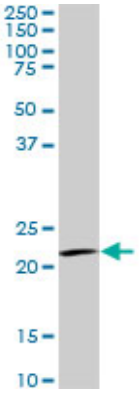
Interleukin-9 polymorphism in infants with respiratory syncytial virus infection: an opposite effect in boys and girls. Schuurhof A, et al. Pediatr Pulmonol, 2010 Jun. PMID 20503287.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID

20237496.IL-24 transgenic mice: in vivo evidence of overlapping functions for IL-20, IL-22, and IL-24 in the epidermis. He M, et al. J Immunol, 2010 Feb 15. PMID 20061404.The Th17 cytokine IL-22 induces IL-20 production in keratinocytes: a novel immunological cascade with potential relevance in psoriasis. Wolk K, et al. Eur J Immunol, 2009 Dec. PMID 19830738.Cytokine expression and signaling in drug-induced cellular senescence. Novakova Z, et al. Oncogene, 2010 Jan 14. PMID 19802007.

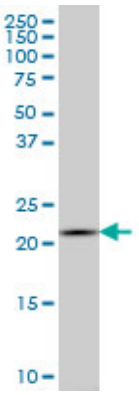
Images



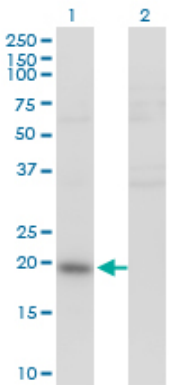
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



IL20 monoclonal antibody (M01), clone 2H8. Western Blot analysis of IL20 expression in A-431 ((Cat # AT2514a)

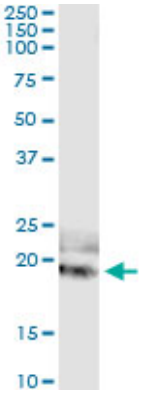


IL20 monoclonal antibody (M01), clone 2H8 Western Blot analysis of IL20 expression in K-562 ((Cat # AT2514a)

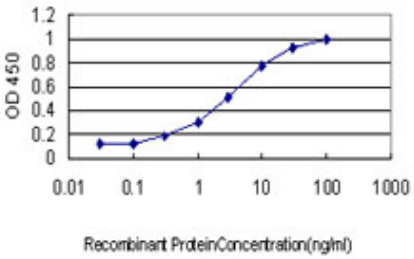


Western Blot analysis of IL20 expression in transfected 293T cell line by IL20 monoclonal antibody (M01), clone 2H8.

Lane 1: IL20 transfected lysate(20.1 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation of IL20 transfected lysate using anti-IL20 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with IL20 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged IL20 is approximately 0.3ng/ml as a capture antibody.

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