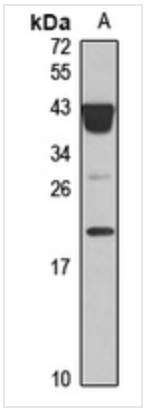
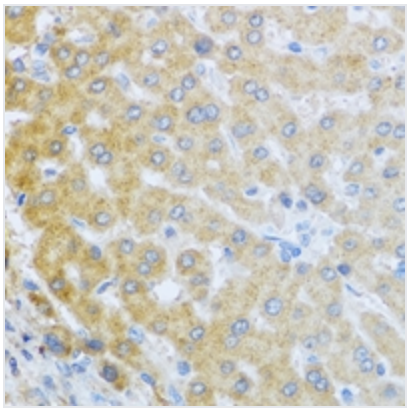
IL-20 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

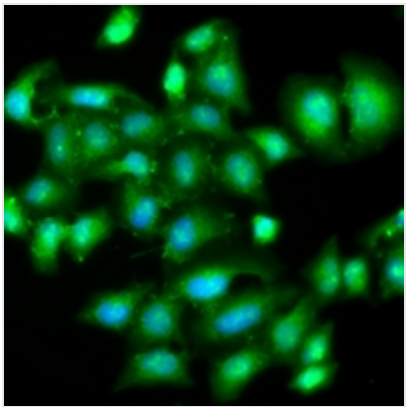
Product Name	IL-20, Polyclonal Antibody
Full Product Name	Anti-IL-20 Antibody
Product Gene Name	anti-IL-20 antibody
Product Synonym Gene Name	IL20
Product Synonym Names	ZCYTO10; Interleukin-20; IL-20; Cytokine Zcyto10
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of IL-20 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	20,072 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (207039154..207042568). Location: 1q32
OMIM	605619
3D Structure	ModBase 3D Structure for Q9NYY1
Immunogen	Recombinant fusion protein of human IL-20. The exact sequence is proprietary.
Applications Tested/Suitable for anti-IL-20 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-IL-20 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:50-1:200
Related Product Information for anti-IL-20 antibody	MBS8306983 is an antibody targeting IL-20. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to IL-20
Other Notes	Small volumes of anti-IL-20 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-IL-20 antibody
Western blot analysis of IL-20 expression in mouse liver (A) whole cell lysates.



Immunohistochemistry (IHC) of anti-IL-20 antibody
Immunohistochemical analysis of IL-20 staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-IL-20 antibody
Immunofluorescent analysis of IL-20 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL-20. It may not necessarily be applicable to this product.

NCBI GI #	31083166
NCBI GeneID	50604
NCBI Accession #	NP_061194.2
UniProt Primary Accession #	Q9NYY1
UniProt Secondary Accession #	Q9JKV9
UniProt Related Accession #	Q9NYY1
GenBank Nucleotide #	NM_018724.3
NCBI Official Full Name	interleukin-20
NCBI Official Synonym Full Names	interleukin 20
NCBI Official Symbol	IL20

NCBI Official Synonym Symbols	IL-20; IL10D; ZCYTO10
UniProt Protein Name	Interleukin-20
UniProt Synonym Protein Names	Cytokine Zcyto10
UniProt Gene Name	IL20
UniProt Synonym Gene Names	ZCYTO10; IL-20
UniProt Entry Name	IL20_HUMAN
NCBI Protein Information	interleukin-20; cytokine Zcyto10; four alpha helix cytokine
NCBI Summary for IL-20	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. [provided by RefSeq, Jul 2008]
UniProt Comments for IL-20	IL20: Cytokine that may be involved in epidermal function and psoriasis. Acts through STAT3. Belongs to the IL-10 family. Protein type: Secreted, signal peptide; Cytokine; Secreted Chromosomal Location of Human Ortholog: 1q32 Cellular Component: extracellular space; extracellular region Molecular Function: interleukin-20 receptor binding; interleukin-22 receptor binding; cytokine activity Biological Process: positive regulation of osteoclast differentiation; positive regulation of epidermal cell differentiation; regulation of inflammatory response; positive regulation of JAK-STAT cascade; immune response; inflammatory response; positive regulation of keratinocyte differentiation; positive regulation of tyrosine phosphorylation of Stat3 protein
Research Articles on IL-20	**1.** A significant association was found between the combined genotypes of IL19GC + CC and IL20TG + GG and increased risk of vesicoureteral reflux.
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