

**Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20)  
Recombinant Antibody  
Catalog # APR10952****Specification**

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**Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">O9NYY1</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

**Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) - Additional Information****Target/Specificity**  
IL-20**Endotoxin**

< 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Storage**

-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) - Protein Information****Name** IL20**Synonyms** ZCYTO10**Function**

Pro-inflammatory and angiogenic cytokine mainly secreted by monocytes and skin keratinocytes that plays crucial roles in immune responses, regulation of inflammatory responses, hemopoiesis, as well as epidermal cell and keratinocyte differentiation (PubMed:<a href="http://www.uniprot.org/citations/17277128" target="\_blank">17277128</a>, PubMed:<a href="http://www.uniprot.org/citations/34403503" target="\_blank">34403503</a>). Enhances tissue remodeling and wound-healing activities and restores the homeostasis of epithelial layers

during infection and inflammatory responses to maintain tissue integrity (PubMed:<a href="http://www.uniprot.org/citations/17277128" target="\_blank">17277128</a>). Affects multiple actin-mediated functions in activated neutrophils leading to inhibition of phagocytosis, granule exocytosis, and migration (PubMed:<a href="http://www.uniprot.org/citations/28424238" target="\_blank">28424238</a>). Exert its effects via the type I IL-20 receptor complex consisting of IL20RA and IL20RB (PubMed:<a href="http://www.uniprot.org/citations/11706020" target="\_blank">11706020</a>). Alternatively, can mediate its activity through a second receptor complex called type II IL-20 receptor complex composed of IL22RA1 and IL20RB (PubMed:<a href="http://www.uniprot.org/citations/11564763" target="\_blank">11564763</a>). Acts as an arteriogenic and vascular remodeling factory by activating a range of signaling processes including phosphorylations of JAK2 and STAT5 as well as activation of the serine and threonine kinases AKT and ERK1/2 (By similarity). Alternatively, can activate STAT3 phosphorylation and transcriptional activity in a JAK2, ERK1/2 and p38 MAPK-dependent manner in keratinocytes (PubMed:<a href="http://www.uniprot.org/citations/23614738" target="\_blank">23614738</a>).

#### **Cellular Location**

Secreted.

#### **Tissue Location**

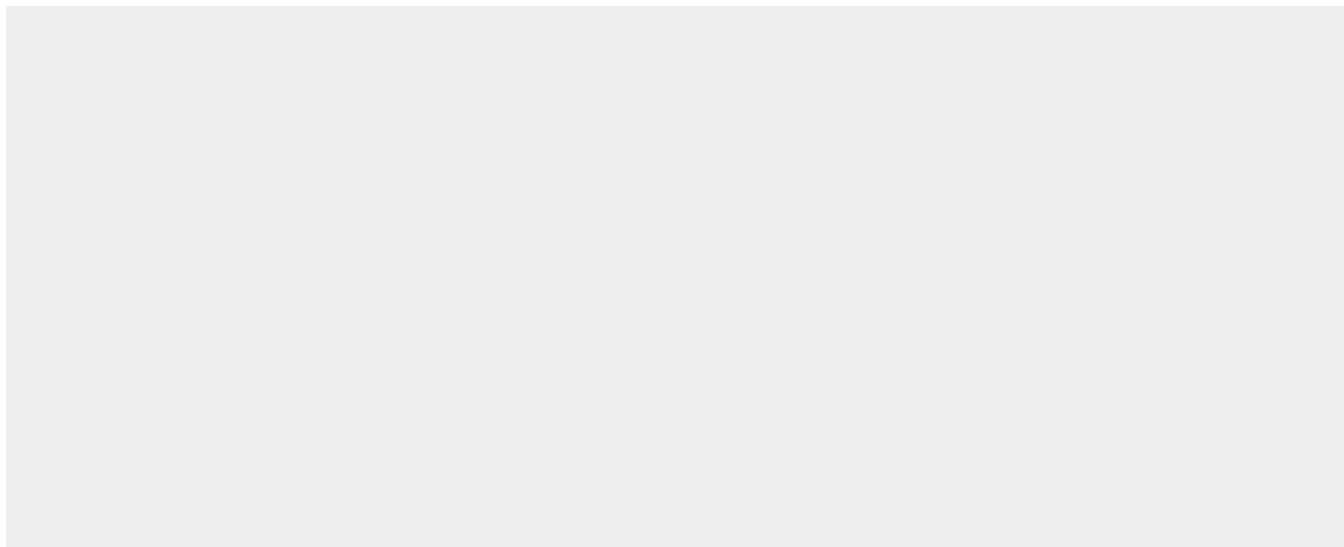
Expressed in most tissues and five major cell types: epithelial cells (primarily skin, buccal mucosa, tongue, nasal mucosa, lung, ureter, breast, prostate, fallopian tube, and adrenal gland), myoepithelial cells (mainly prostate), endothelial cells (mainly in small vessels or capillaries), macrophages, and skeletal muscle. Isoform 2 was detected in the lung tissue only

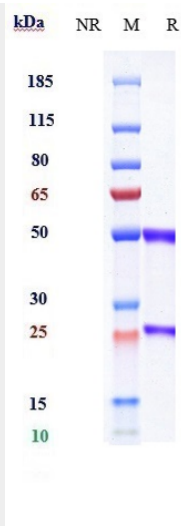
#### **Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

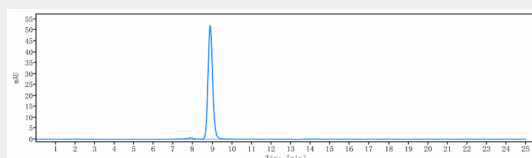
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) - Images**





Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-IL-20 Reference Antibody (Cheng Kung U. patent anti-IL-20) is more than 95%, determined by SEC-HPLC.