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IL-20 Polyclonal Antibody

Catalog # AP70507

Product Information

Application	WB, E
Primary Accession	Q9NYY1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20072

Additional Information

Gene ID	50604
Other Names	IL20; ZCYTO10; Interleukin-20; IL-20; Cytokine Zcyto10
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

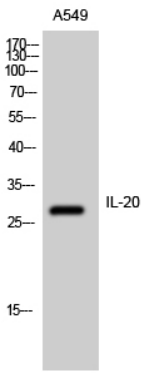
Name	IL20
Synonyms	ZCYTO10
Function	Pro-inflammatory and angiogenic cytokine mainly secreted by monocytes and skin keratinocytes that plays crucial roles in immune responses, regulation of inflammatory responses, hemopoiesis, as well as epidermal cell and keratinocyte differentiation (PubMed:17277128, PubMed:34403503). Enhances tissue remodeling and wound-healing activities and restores the homeostasis of epithelial layers during infection and inflammatory responses to maintain tissue integrity (PubMed:17277128). Affects multiple actin-mediated functions in activated neutrophils leading to inhibition of phagocytosis, granule exocytosis, and migration (PubMed:28424238). Exert its effects via the type I IL-20 receptor complex consisting of IL20RA and IL20RB (PubMed:11706020). Alternatively, can mediate its activity through a second receptor complex called type II IL-20 receptor complex composed of IL22RA1 and IL20RB (PubMed:11564763). 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:23614738).
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

Background

Proinflammatory and angiogenic cytokine that may be involved in epidermal function and psoriasis. Angiogenic and proliferative activities are antagonized by IL10. May act through STAT3.

Images



Western Blot analysis of A549 cells using IL-20 Polyclonal Antibody

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