

For Research Use Only

IL-19 Polyclonal antibody

Catalog Number: 24402-1-AP

1 Publications



Basic Information

Catalog Number: 24402-1-AP	GenBank Accession Number: BC153127	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 29949	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9UHD0	
Isotype: IgG	Full Name: interleukin 19	
Immunogen Catalog Number: AG21496	Calculated MW: 177 aa, 20 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls:
Cited Applications: WB	IHC : human breast cancer tissue, human skin cancer tissue
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

IL-19, a member of the IL-10 cytokine family, is expressed in epithelial cells, endothelial cells, and macrophages. It can bind the interleukin-20 receptor complex IL-20R1/IL-20R2 and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). IL-19 induces IL-6 and TNF- α production in monocytes. It also induces cell apoptosis and reactive oxygen species production in monocytes, which suggests a role of this cytokine in inflammatory responses. It is up-regulated in monocytes following stimulation with lipopolysaccharide (LPS), and granulocyte-macrophage colony-stimulating factor (GM-CSF). IL-19 alters the balance of Th1 and Th2 cells in favor of Th2 cells. IL-19 contributes to a range of diseases and disorders, such as breast cancer, squamous cell carcinoma of the skin, asthma, endotoxemic shock, uremia, psoriasis, rheumatoid arthritis, and periodontal and vascular disease.

Notable Publications

Author	Pubmed ID	Journal	Application
Zizhen Huang	38393344	Inflamm Res	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

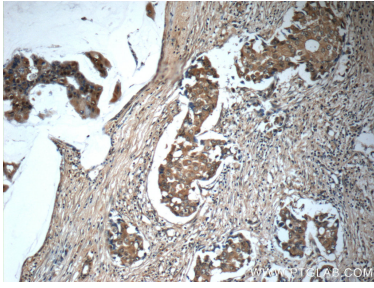
T: 4006900926

E: Proteintech-CN@ptglab.com

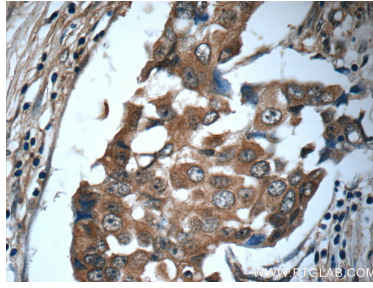
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24402-1-AP (IL-19 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24402-1-AP (IL-19 antibody at dilution of 1:50 (under 40x lens).