

IL-17 Polyclonal Antibody

Catalog number: 13082-1-AP

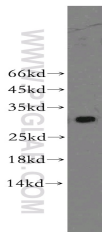
Size: 51 µg/150 µl

Source: Rabbit

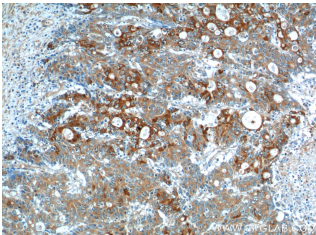
Isotype: IgG

Synonyms:

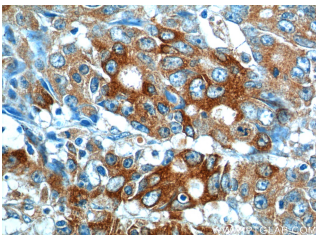
IL17A; CTLA 8, CTLA8, IL 17, IL 17A, IL17, IL-17, IL17A, interleukin 17A



U-937 cells were subjected to SDS PAGE followed by western blot with 13082-1-AP (IL17A antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL17A Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL17A Antibody) at dilution of 1:200 (under 40x lens).

Background

IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased. This antibody got 32-35 kDa band in western blot, maybe due to homodimer formation and differential glycosylations.

Applications

Tested applications:	ELISA, IP, WB, IHC
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human, MOUSE
Calculated IL-17 MW:	155aa, 18 kDa
Observed IL-17 MW:	32-35 kDa
Positive WB detected in	U-937 cells, human testis tissue, mouse thymus tissue, mouse uterus tissue, Transfected HEK-293 cells
Positive IP detected in	U-937 cells
Positive IHC detected in	Human colon cancer tissue, human prostate cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:50-1:500

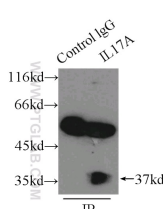
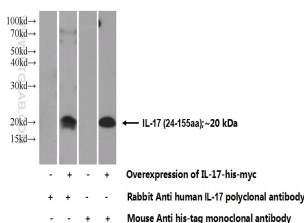
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3733
GenBank accession number:	BC067505
Gene ID (NCBI):	3605
Full name:	Interleukin 17A

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 13082-1-AP(IL17A Antibody) at dilution of 1:500

IP Result of anti-IL17A (IP:13082-1-AP, 3ug; Detection:13082-1-AP 1:300) with U-937 cells lysate 6500ug.