

IL-22 Rabbit mAb

Catalog # AP78842

Product Information

Application	WB
Primary Accession	Q9GZX6
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human IL22
Purification	Affinity Chromatography
Calculated MW	20011

Additional Information

Gene ID	50616
Other Names	IL22
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

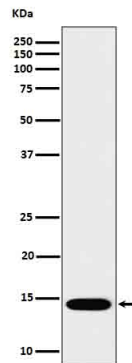
Name	IL22
Synonyms	ILTIF, ZCYTO18
Function	Cytokine that plays a critical role in modulating tissue responses during inflammation (PubMed: 17204547). Plays an essential role in the regeneration of epithelial cells to maintain barrier function after injury and for the prevention of further tissue damage (PubMed: 17204547). Unlike most of the cytokines, has no effect on immune cells. Signals through a heterodimeric receptor composed of two subunits, the specific receptor IL22RA1 which is present on non-immune cells in many organs and the shared subunit IL10RB (PubMed: 10875937 , PubMed: 18599299). Ligation of IL22RA1 with IL22 induces activation of the tyrosine kinases JAK1 and TYK2, which in turn activates STAT3. In turn, promotes cell survival and proliferation through STAT3, ERK1/2 and PI3K/AKT pathways (PubMed: 25793261 , PubMed: 31311100). Promotes phosphorylation of GSK3B at 'Ser-9' and CTTN

(By similarity). Promotes epithelial cell spreading (By similarity).

Cellular Location

Secreted.

Images



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