

IL23(IL12B+IL23A) Polyclonal antibody

Catalog Number: 32180-1-AP

Basic Information

Catalog Number:

32180-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

UNIPROT ID:

P29460(IL12B)+linker+Q9NPF7(IL23A)

Full Name:

Calculated MW:

54 kDa, 37 kDa, 21 kDa

Observed MW:

54 kDa, 37 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, SW480 cells, U266 cells

IF/ICC : Raji cells,

Background Information

IL-12 and IL-23 are heterodimeric cytokines with a common p40 subunit (PMID: 11114383). IL-12 is composed of the IL-12 p40 subunit linked to the IL-12 p35 subunit, and the heterodimer signals through the IL-12 receptor (IL-12R), which comprises the IL-12R β 1 and IL-12R β 2 subunits. IL-23 is composed of the IL-23 p19 subunit and the IL-12 p40 (IL-12/23p40) subunit, which signals through IL-23R and IL-12R β 1 (PMID: 11114383; 26121196). The importance of IL-23 has been confirmed by clinical data, as monoclonal antibodies (MABs) targeting the p40 subunit (shared by IL-23 and IL-12), as well as p19 (specific for IL-23) were effective in therapy for psoriasis and psoriatic arthritis (PMID: 25754330; 18486740). This antibody can recognize the IL12B monomer (37 kDa) and the heterodimer (IL12B+IL23A, 54 kDa).

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

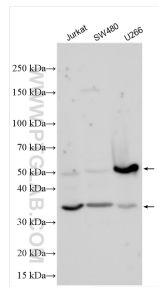
For technical support and original validation data for this product please contact:

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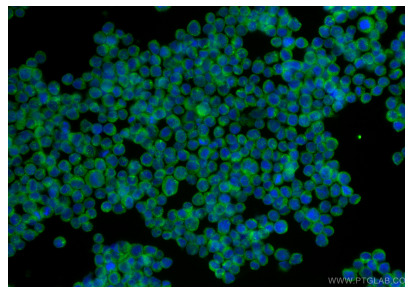
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32180-1-AP (IL23(IL12B+IL23A) antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using IL23(IL12B+IL23A) antibody (32180-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).