

For Research Use Only

IL23(IL12B+IL23A) Polyclonal antibody

Catalog Number: 32180-1-AP



Basic Information

Catalog Number:

32180-1-AP

Size:

150ul , Concentration: 300 ug/ml by Nanodrop;

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-12Rβ1 and IL-12Rβ2 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-12Rβ1 (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

*** 20ul sizes contain 0.1% BSA

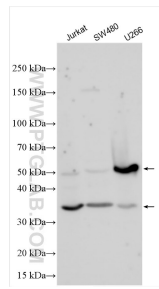
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

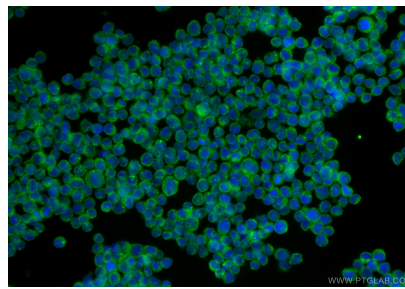
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).