

IL-12/IL-23 p40 Polyclonal antibody

Catalog Number: 17645-1-AP

2 Publications

Basic Information

Catalog Number:

17645-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11837

GenBank Accession Number:

BC067498

GeneID (NCBI):

3593

UNIPROT ID:

P29460

Full Name:

interleukin 12B (natural killer cell
stimulatory factor 2, cytotoxic
lymphocyte maturation factor 2, p40)

Calculated MW:

328 aa, 37 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: Recombinant protein,

Background Information

IL-12 and IL-23 are heterodimeric cytokines that share 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). IL-12/IL-23 p40 also exists as a monomer and as a homodimer which can act as a potent IL-12 antagonist (PMID: 8958912; 18783467). IL-12/IL-23 p40 is produced by antigen-presenting cells, such as dendritic cells (DCs), monocytes, macrophages, neutrophils and, to a lesser extent, B cells (PMID: 20476918).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinlong Zang	33338567	Int J Pharm	IF
Jinmiao Tian	37207940	Cell Signal	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

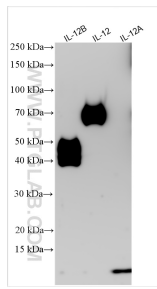
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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

Selected Validation Data



Recombinant protein IL-12B (Eg0431), IL-12 (Eg0575), IL-12A (Ag17625) were subjected to SDS PAGE followed by western blot with 17645-1-AP (IL-12B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours