



Goat Anti-Human Interleukin-23 Receptor (N-Terminal) Polyclonal antibody (CPBT-65698GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Goat anti Human Interleukin-23 receptor antibody recognizes the human interleukin-23 receptor (IL-23R). The interleukin-23 receptor is 629 amino acid ~72kDa single pass type I transmembrane glycoprotein belonging to the type I cytokine receptor family and possessing two fibronectin type III domains. Multiple potential isoforms formed by alternative splicing are described. Goat anti Human Interleukin-23 receptor antibody recognizes an epitope within the N-terminal (NT) region of Interleukin-23 receptor (IL-23R), present in isoforms 1, 3 and 4 (UniProt: Q5VWK5), the antibody is not expected to recognize other truncated forms of the receptor lacking the immunogen sequence. IL-23R is a mediator of T-cell, NK cell, and possibly macrophage/myeloid cell, stimulation acting as the receptor for IL-23, by association with the beta component of IL-12R and is thought to signal through activation of the JAK-STAT signalling pathway. Genetic variation in IL23R is associated with inflammatory bowel disease type 17 and susceptibility to the ulcerative and inflammatory psoriasis. Goat anti Human Interleukin-23 receptor antibody is reported as suitable for use in immunocytochemistry on acetone fixed cells and has been used successfully for the immunohistochemical localization of IL-23R in formalin fixed, paraffin embedded human tissues. .

Specificity	IL23R
Immunogen	Synthetic peptide CQPRKLHIFYKNGIKERFQITRINKTTARL corresponding to amino acids 59-87
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-P; WB

Format	Purified IgG - liquid
Size	100 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	IL23R interleukin 23 receptor [Homo sapiens (human)]
Official Symbol	IL23R
Synonyms	IL23R; interleukin 23 receptor; interleukin-23 receptor; IL-23 receptor;
Entrez Gene ID	149233
Protein Refseq	NP_653302
UniProt ID	Q5VWK5
Chromosome Location	1p31.3
Pathway	Cytokine-cytokine receptor interaction; IL23-mediated signaling events; Inflammatory bowel disease (IBD); Jak-STAT signaling pathway;
Function	contributes_to interleukin-12 receptor binding; contributes_to interleukin-23 binding; contributes_to interleukin-23 receptor activity;