



Anti-IL23A (C-terminal) polyclonal antibody (CPBT-65665RI)

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

PRODUCT INFORMATION

Product Overview

This product recognises human Interleukin-23 p19 subunit (IL-23A). IL-23A associates with IL-12B to form Interleukin 23. This heterodimeric cytokine functions in innate and adaptive immunity. IL23 is expressed mainly by activated macrophages and dendritic cells, and plays an important role in bridging innate and adaptive responses. IL-23 activates a subset of T cells called Th17 cells, which are characterised by the production of interleukin-17. The IL-23/IL-17 pathway is essential for the induction and maintenance of brain and joint inflammatory autoimmune diseases, including Guillain Barre Syndrome, Multiple sclerosis and rheumatoid arthritis. Immunohistology This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Specificity	IL23A
Immunogen	A synthetic peptide corresponding to a 16 amino acid sequence from near the Carboxy terminus of human IL-23.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	IHC-Fr; IHC-P; WB
Format	Purified IgG - liquid
Size	50 µg

Preservative	0.02% 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	IL23A interleukin 23, alpha subunit p19 [Homo sapiens (human)]
Official Symbol	IL23A
Synonyms	IL23A; interleukin 23, alpha subunit p19; P19; SGRF; IL-23; IL-23A; IL23P19; interleukin-23 subunit alpha; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin 23 p19 subunit; interleukin-23 subunit p19; JKA3 induced upon T-cell activation; interleukin-six
Entrez Gene ID	51561
Protein Refseq	NP_057668
UniProt ID	Q9NPF7
Chromosome Location	12q13.3
Pathway	ATF-2 transcription factor network; Cytokine-cytokine receptor interaction; IL23-mediated signaling events; Inflammatory bowel disease (IBD); Jak-STAT signaling pathway; Pertussis; Rheumatoid arthritis; Tuberculosis;
Function	cytokine activity; contributes_to interleukin-23 receptor binding; protein binding;