

Anti-IL-23 antibody [HLT2736] ab110630

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Overview

Product name	Anti-IL-23 antibody [HLT2736]
Description	Mouse monoclonal [HLT2736] to IL-23
Host species	Mouse
Specificity	Human recombinant p40 and p19 with elastin linker.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant full length protein corresponding to Human IL-23.
Positive control	Human Adrenal and Lung vasculature tissues; Recombinant Human IL23.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	HLT2736
Isotype	IgG1

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab110630 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 21 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Associates with IL12B to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to an heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Tissue specificity

Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

Sequence similarities

Belongs to the IL-6 superfamily.

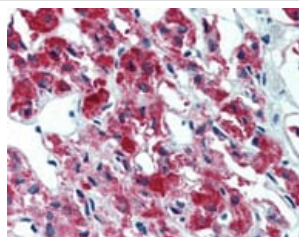
Developmental stage

Expressed by newborns dendritic cells.

Cellular localization

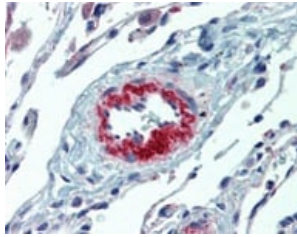
Secreted. Secreted upon association with IL12B.

Images



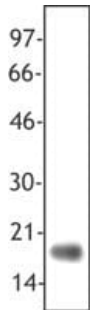
Immunohistological staining of Human Adrenal tissue, Formalin-Fixed, Paraffin-Embedded using ab110630 at 10µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-23 antibody [HLT2736] (ab110630)



Immunohistological staining of Human Lung vasculature tissue, Formalin-Fixed, Paraffin-Embedded using ab110630 at 10µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-23 antibody [HLT2736] (ab110630)



Anti-IL-23 antibody [HLT2736] (ab110630) + Recombinant Human IL23 P19

Predicted band size: 21 kDa

Western blot - Anti-IL-23 antibody [HLT2736] (ab110630)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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