

# Anti-IL-15RA antibody [RM0103-6C38] ab86486

## 2 References

### Overview

<b>Product name</b>	Anti-IL-15RA antibody [RM0103-6C38]
<b>Description</b>	Rat monoclonal [RM0103-6C38] to IL-15RA
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Recombinant fragment corresponding to Mouse IL-15RA.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purification notes</b>	The IgG fraction of culture supernatant was purified by protein A/G affinity chromatography and 0.2µm filtered.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RM0103-6C38
<b>Isotype</b>	IgG2a

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab86486 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.

## Target

<b>Function</b>	Receptor for interleukin-15. Expression of different isoforms may alter or interfere with signal transduction. Isoform 5, isoform 6, isoform 7 and isoform 8 do not bind IL15. Signal transduction involves STAT3, STAT5, STAT6, JAK2 (By similarity) and SYK.
<b>Tissue specificity</b>	Isoform 1, isoform 3, isoform 4, isoform 5, isoform 6, isoform 7, isoform 8 and isoform 9 are widely expressed. Expressed in fetal brain with higher expression in the hippocampus and cerebellum than in cortex and thalamus. Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures.
<b>Sequence similarities</b>	Contains 1 Sushi (CCP/SCR) domain.
<b>Post-translational modifications</b>	A soluble form (sIL-15RA) arises from proteolytic shedding of the membrane-anchored receptor. The cleavage involves ADAM17/TACE (By similarity). It also binds IL-15 and thus interferes with IL-15 binding to the membrane receptor. Phosphorylated by activated SYK. N-glycosylated and O-glycosylated.
<b>Cellular localization</b>	Secreted > extracellular space; Membrane. Nucleus membrane. Mainly found associated with the nuclear membrane and Endoplasmic reticulum membrane. Golgi apparatus membrane. Cytoplasmic vesicle membrane. Membrane. Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane.

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

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