

## Product datasheet

### Anti-Activin A antibody [MM0074-7L18] ab89307

★★★★★ [3 Abreviews](#) [6 References](#)

#### Overview

<b>Product name</b>	Anti-Activin A antibody [MM0074-7L18]
<b>Description</b>	Mouse monoclonal [MM0074-7L18] to Activin A
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Neutralising, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human Activin A. Human recombinant Pro-Activin-A Database link: <a href="#">P08476</a>

#### General notes

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.

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

#### 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>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MM0074-7L18
<b>Isotype</b>	IgG1

#### Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab89307 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
Neutralising		Use at an assay dependent concentration. (1) Activin A can induce hemoglobin expression in the K562 human chronic myelogenous leukemia cell line. (2) Anti-Activin antibody can neutralize Activin A induced hemoglobin expression in a dose dependent manner. ED 50 is approximately between 30-60ng/mL in the presence of 5ng/mL Recombinant Human Activin A.
WB	★★★★★ (2)	Use at an assay dependent concentration.

## Target

Function	Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins.
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.
Form	Activin A is a homodimer of beta-A.

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

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