

Product datasheet

HRP Anti-IgG3 antibody [KT94] ab170490

[2 Images](#)

Overview

Product name	HRP Anti-IgG3 antibody [KT94]
Description	HRP Rat monoclonal [KT94] to IgG3
Host species	Rat
Conjugation	HRP
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse
Immunogen	Full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	Mouse IgG3
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.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituent: 99% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	KT94
Isotype	IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab170490 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		1/1000. Predicted molecular weight: 44 kDa.
ELISA		1/1000.

Target

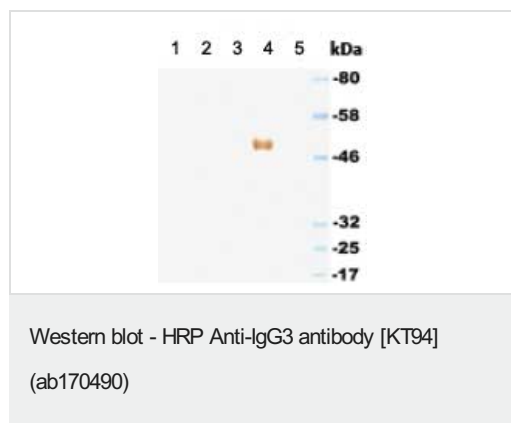
Relevance

IgG3, like IgG1, activates complement and has an affinity for fc receptors; thus IgG1 and IgG3 are the more effective of the IgG subclasses. An IgG3 deficiency is associated with Wiscott-Aldrich disease, systemic lupus erythematosus, juvenile diabetes mellitus, and periodontal infections. IgG anti-viral antibodies are restricted to IgG subclasses 1 and 3, with IgG3 antibodies being the first to appear in response to infection.

Cellular localization

Secreted

Images



All lanes : HRP Anti-IgG3 antibody [KT94] (ab170490) at 1/1000 dilution

Lane 1 : Mouse IgG1

Lane 2 : Mouse IgG2a

Lane 3 : Mouse IgG2b

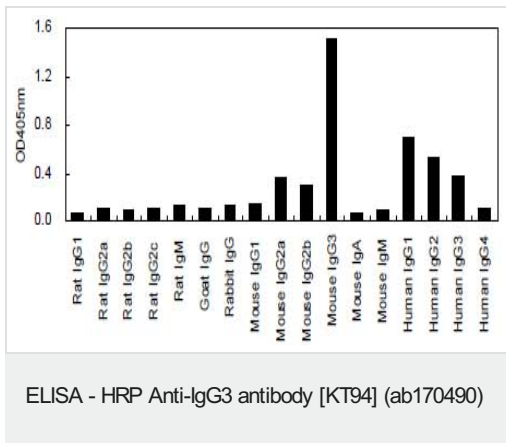
Lane 4 : Mouse IgG3

Lane 5 : Mouse IgM

Performed under reducing conditions.

Predicted band size: 44 kDa

DAB substrate used



ELISA showing cross-reactivity to various immunoglobulins using ab170490 at 1/1000 dilution.

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

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