

Datasheet: AHP2352

Description:	RABBIT ANTI STAT6
Specificity:	STAT6
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.5 - 4.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Rat

Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with: Human

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

30% Glycerol

0.5% Bovine Serum Albumin

0.01% Thiomersal

Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

Immunogen Synthetic peptide surrounding amino acid 608 of rat STAT6

External Database

Links

UniProt:

[Q1KQ07](#)

[Related reagents](#)

Specificity

Rabbit anti STAT6 antibody recognizes signal transducer and activator of transcription 6, also known as STAT6 or IL-4 STAT. STAT6 is a member of the STAT protein family, which plays an important role in cell growth, survival differentiation and transformation, transducing signals from cytokine receptors to the nucleus. STAT6 is tyrosine phosphorylated by members of the Janus kinase family (JAK1 and JAK3) in response to IL-4 and IL-13 stimulation. Phosphorylation results in STAT activation and the formation of STAT6 homo- and STAT6/STAT2 heterodimers. STAT dimers translocate from the cytoplasm to the nucleus where they act as transcription factors. STAT6 is critical for the expression of many IL-4 and IL-13 responsive genes, including class II major histocompatibility molecules, CD23 and IL-1Ra. It also plays an important role in Th2 differentiation, IgE class switching and inflammation. Deregulated JAK/STAT signaling has been implicated in a variety of cancers; STATs can regulate the tumor microenvironment and trigger a shift from cancer inhibition to promotion.

Western Blotting

Rabbit anti STAT6 antibody recognizes bands of approximately 119 kDa (full length STAT6) and 65 kDa (the short form of STAT6) in 3T3 cell lysate

Storage

Store at -20°C

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10096 available at:
10096: <https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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