

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.
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
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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.
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Shelf Life	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10096 available at: 10096: https://www.bio-rad-antibodies.com/uploads/MSDS/10096.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

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