

Datasheet: AHP2348

Description:	RABBIT ANTI STAT1
Specificity:	STAT1
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 672 of rat STAT1
External Database Links	UniProt: Q9QXK0 Related reagents

Specificity **Rabbit anti STAT1 antibody** recognizes signal transducer and activator of transcription 1 (STAT1), 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. STAT1 is tyrosine phosphorylated by members of the Janus kinase (JAK) family in response to cytokines and growth factor stimulation. Phosphorylation results in STAT activation and the formation of STAT1 homo- or STAT2/STAT1, STAT3/STAT1 and STAT4/STAT1 heterodimers. STAT dimers translocate from the cytoplasm to the nucleus where they act as transcription factors. Dysregulated 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 STAT1 antibody recognizes the alpha subunit (approximately 91 kDa) in 3T3 cell lysate and both the alpha subunit and beta subunit (approximately 84 kDa) of STAT1 in rat kidney tissue 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.
Shelf Life	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](#)
 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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