

## Datasheet: AHP2351

<b>Description:</b>	RABBIT ANTI STAT5B
<b>Specificity:</b>	STAT5
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			5.0 ug/ml
Immunoprecipitation	▪			20 ug/ml
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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Synthetic peptide surrounding amino acid 777 of human STAT5
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P51692</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6777</a> STAT5B   <a href="#">Related reagents</a></p>

<b>Specificity</b>	<b>Rabbit anti STAT5B antibody</b> recognizes signal transducer and activator of transcription 5B (STAT5B), 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. STAT5B is tyrosine phosphorylated by members of the Janus kinase family in response to cytokines and growth factor stimulation. Phosphorylation results in STAT activation and the formation of STAT5 homo- and STAT5/STAT3 heterodimers. STAT dimers translocate from the cytoplasm to the nucleus where they act as transcription factors. 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.
<b>Western Blotting</b>	Rabbit anti STAT5 antibody recognizes a band of approximately 95 kDa in 3T3 cell lysate and rat kidney tissue lysate
<b>Storage</b>	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.
<b>Shelf Life</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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