

## Datasheet: 0100-0549

<b>Description:</b>	RABBIT ANTI HUMAN INHIBIN ALPHA
<b>Specificity:</b>	INHIBIN ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/100 - 1/500
ELISA	▪			
Western Blotting			▪	

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 the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Synthetic peptide, STPLMSWPWSPSALRLLQRPPEEP, corresponding to the amino acids 1 - 24 of the active cleaved human inhibin alpha chain.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P05111</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p>

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<b>Specificity</b>	<p><b>Rabbit anti Human inhibin alpha antibody</b> recognizes the human inhibin alpha chain, the product of the INHA gene. The inhibin alpha chain is a 366 amino acid polypeptide with a predicted molecular weight of ~40 kDa. It is composed of an N-terminal 18 amino acid signal peptide, two pro-peptide regions of 43 and 171 amino acids respectively and the 134 amino acid inhibin alpha chain. Inhibin alpha dimerizes with with inhibin <a href="#">beta A</a> to form Inhibin A or with the inhibin <a href="#">beta B</a> chain to form inhibin B. The active inhibin alpha chain is derived by cleavage of the inhibin alpha chain from the pro-peptide domains and subsequent dimerization through appropriate disulphide bond formation. Inhibins regulate follicle stimulating hormone secretion from the pituitary gland (<a href="#">Lumpkin et al. 1981</a>).</p> <p>Inhibin alpha is expressed in the testis (<a href="#">Bergh and Cajander 1990</a>) and ovary (<a href="#">Cuevas et al. 1987</a>, <a href="#">Yamamoto et al. 1992</a>). Inhibin alpha expression has also been noted in the adrenal glands (<a href="#">McCluggage et al. 1998</a>), endometrium (<a href="#">Mylonas et al. 2004</a>) and brain (<a href="#">Uccella et al. 2000</a>). Inhibin alpha expression has also been noted in a variety of neoplastic tissues including Leydig cell tumors (<a href="#">de Winter et al. 1992</a>), brain tumors (<a href="#">Demura et al. 1995</a>), ovarian cancers (<a href="#">Cooke et al. 1995</a>) and adrenal carcinomas (<a href="#">Pelkey et al. 1998</a>).</p> <p>Rabbit anti human inhibin alpha antibody has been utilized successfully for the immunohistochemical localization of inhibin alpha in benign ovarian <a href="#">Brenner</a> tumor (<a href="#">Kuhn et al. 2013</a>).</p>
<b>Histology Positive Control Tissue</b>	Human ovarian cortex
<b>References</b>	1. Kuhn, E. et al. (2013) Ovarian Brenner tumour: a morphologic and immunohistochemical analysis suggesting an origin from fallopian tube epithelium. <a href="#">Eur J Cancer. 49 (18): 3839-49.</a>
<b>Storage</b>	Store at +4°C or at -20°C if preferred. 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>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

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## 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...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),  
[DyLight®680](#), [DyLight®800](#)

## Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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