

## 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>

---

**RRID** AB\_620332

---

**Specificity** **Rabbit anti Human inhibin alpha antibody** 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 [beta A](#) to form Inhibin A or with the inhibin beta B 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 ([Lumpkin et al. 1981](#)).

Inhibin alpha is expressed in the testis (Bergh and Cajander 1990) and ovary (Cuevas *et al.* 1987, Yamoto *et al.* 1992). Inhibin alpha expression has also been noted in the adrenal glands ([McCluggage et al. 1998](#)), endometrium ([Mylonas et al. 2004](#)) and brain ([Uccella et al. 2000](#)). Inhibin alpha expression has also been noted in a variety of neoplastic tissues including Leydig cell tumors ([de Winter et al. 1992](#)), brain tumors ([Demura et al. 1995](#)), ovarian cancers ([Cooke et al. 1995](#)) and adrenal carcinomas ([Pelkey et al. 1998](#)).

Rabbit anti human inhibin alpha antibody has been utilized successfully for the immunohistochemical localization of inhibin alpha in benign ovarian [Brenner](#) tumor ([Kuhn et al. 2013](#)).

---

**Histology Positive Control Tissue** Human ovarian cortex

---

**References** 1. Kuhn, E. *et al.* (2013) Ovarian Brenner tumour: a morphologic and immunohistochemical analysis suggesting an origin from fallopian tube epithelium. [Eur J Cancer. 49 \(18\): 3839-49.](#)

---

**Storage** 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.

---

**Guarantee** 12 months from date of despatch

---

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.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](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

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

## Recommended Useful Reagents

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

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

'M362749:200528'

**Printed on 11 Aug 2020**

---

© 2020 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)