

## Datasheet: AHP284G

<b>Description:</b>	RABBIT ANTI HUMAN TGF ALPHA
<b>Specificity:</b>	TGF ALPHA
<b>Other names:</b>	TRANSFORMING GROWTH FACTOR ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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)	▪			0.5ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Functional Assays	▪			2.5 - 3.7ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining paraffin sections. Sodium citrate buffer pH6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1 ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
<b>Antiserum Preparation</b>	Antisera to human TGF $\alpha$ were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by antigen affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution

<b>Immunogen</b>	<a href="#">Recombinant human TGF<math>\alpha</math></a> (PHP037)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01135</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7039</a>   TGFA   <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Rabbit anti human TGF<math>\alpha</math></b> recognizes transforming growth factor alpha. TGF<math>\alpha</math> is a 50 amino acid EGF-related polypeptide expressed in a range of tissues, including skin, pancreas, liver, duodenum, salivary glands, urinary and respiratory systems, and the developing and mature central nervous system (CNS).</p> <p>TGF<math>\alpha</math> is produced by monocytes, keratinocytes and neuronal cells and stimulates the proliferation of a range of epidermal and epithelial cells, through binding to the epidermal growth factor receptor (EGFR). TGF<math>\alpha</math> is mitogenic for multipotent neural progenitors and is involved in astrogliosis (<a href="#">Junier 2000</a>).</p>
<b>ELISA</b>	This purified human TGF $\alpha$ antibody may be used in an indirect ELISA with <a href="#">recombinant human TGF<math>\alpha</math></a> (PHP037) as the standard.
<b>Western Blotting</b>	Rabbit anti human TGF $\alpha$ may used in Western Blotting application under either reducing or non-reducing conditions with <a href="#">recombinant human TGF<math>\alpha</math></a> (PHP037) as the positive control.
<b>References</b>	1. Junier, Marie-Pierre. (2000) What role(s) for TGFalpha in the central nervous system? <a href="#">Prog. Neurobiol. 62: 443-473.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	<p>3 months from date of reconstitution.</p> <p>Please see label for expiry date.</p>
<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...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

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 \(BUF025C\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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