

Datasheet: AHP284G

Description:	RABBIT ANTI HUMAN TGF ALPHA
Specificity:	TGF ALPHA
Other names:	TRANSFORMING GROWTH FACTOR ALPHA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	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.
Antiserum Preparation	Antisera to human TGF α were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by antigen affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml after reconstitution
Immunogen	Recombinant human TGFα (PHP037)
External Database Links	<p>UniProt: P01135 Related reagents</p> <p>Entrez Gene: 7039 TGFA Related reagents</p>
RRID	AB_2201783
Specificity	<p>Rabbit anti human TGFα recognizes transforming growth factor alpha. TGFα 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>TGFα 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). TGFα is mitogenic for multipotent neural progenitors and is involved in astrogliosis (Junier 2000).</p>
ELISA	This purified human TGF α antibody may be used in an indirect ELISA with recombinant human TGFα (PHP037) as the standard.
Western Blotting	Rabbit anti human TGF α may used in Western Blotting application under either reducing or non-reducing conditions with recombinant human TGFα (PHP037) as the positive control.
References	1. Junier, M.P. (2000) What role(s) for TGFalpha in the central nervous system? Prog Neurobiol. 62 (5): 443-73.
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. 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>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP284G>
10294

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
'M402130:220718'

Printed on 25 Mar 2023

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