

Datasheet: AHP284G

BATCH NUMBER 150058

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| 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.

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| Target Species | Human |
| Product Form | Purified IgG - lyophilised |
| 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.

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| 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 | Guaranteed for 3 months from the date of reconstitution or until the date of expiry, |

whichever comes first. Please see label for expiry date.

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP284G>
10162

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

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|----------------------------------|---|------------------|---|---------------|---|
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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
'M372526:200706'

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