

Product datasheet

Anti-TGF alpha antibody ab9585

14 References 1 Image

Overview

<b>Product name</b>	Anti-TGF alpha antibody
<b>Description</b>	Rabbit polyclonal to TGF alpha
<b>Host species</b>	Rabbit
<b>Specificity</b>	The immunogen shares approximately 40% sequence homology with EGF, including 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, IHC-P, Neutralising, Sandwich ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant full length protein aa 1-100. Database link: <a href="#">P01135</a> (Peptide available as <a href="#">ab9587</a> )

 [Run BLAST with](#)

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<b>General notes</b>	<p>This product is no longer batch tested in IHC, for an IHC validated antibody please see <a href="#">ab208156</a></p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>
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Properties

<b>Form</b>	Lyophilized:Reconstitute with 200µl of sterile water. The reconstituted antibody is stable for at least 2 weeks at 2-8C and at least 6 months at -20C.
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	unknown
<b>Light chain type</b>	unknown

## Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab9585 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>ELISA</b>		Use at an assay dependent concentration.
<b>IHC-P</b>		Use at an assay dependent concentration.
<b>Neutralising</b>		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hTGF alpha (0.5 ng/ml), a concentration of 2.5 - 2.7 ug/ml of this antibody is required.
<b>Sandwich ELISA</b>		Use at an assay dependent concentration. To detect Human TGF- $\alpha$ by sandwich ELISA (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with suitable detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human TGF- $\alpha$ .
<b>WB</b>		Use at an assay dependent concentration. Can be blocked with <a href="#">Recombinant human TGF alpha protein (ab9587)</a> .

## Target

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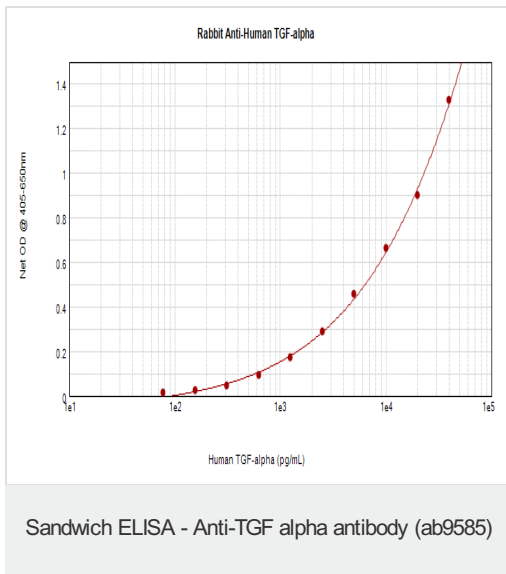
<b>Function</b>	TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.
<b>Tissue specificity</b>	Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines.
<b>Sequence similarities</b>	Contains 1 EGF-like domain.
<b>Cellular localization</b>	Cell membrane and Secreted > extracellular space.

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## Images

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## ab9585 detecting TGF-alpha using sELISA



**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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