

## ARG56671 anti-TGF alpha antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TGF alpha
Tested Reactivity	Hu, Hm
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TGF alpha
Species	Human
Immunogen	E.coli derived Recombinant Human TGF-α. (VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA)
Conjugation	Un-conjugated
Alternate Names	ETGF; EGF-like TGF; TFGA; Protransforming growth factor alpha; TGF-alpha; TGF type 1

### Application Instructions

Application table	Application	Dilution
	ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56781 as a detection antibody
	IHC-P	0.5 µg/ml
	Neut	2.5 - 3.7µg/ml (To yield [ND50] of the biological activity of Human TGF - α (0.5 ng/ml) )
	WB	0.1 - 0.2 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

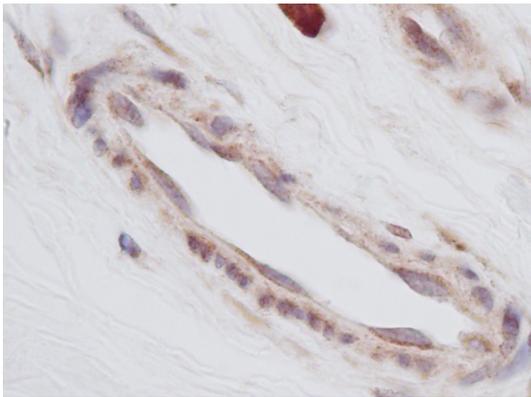
## Bioinformation

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Database links	<a href="#">GeneID: 7039 Human</a> <a href="#">Swiss-port # P01135 Human</a>
Gene Symbol	TGFA
Gene Full Name	transforming growth factor, alpha
Background	This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Function	TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar. [UniProt]
Calculated Mw	17 kDa

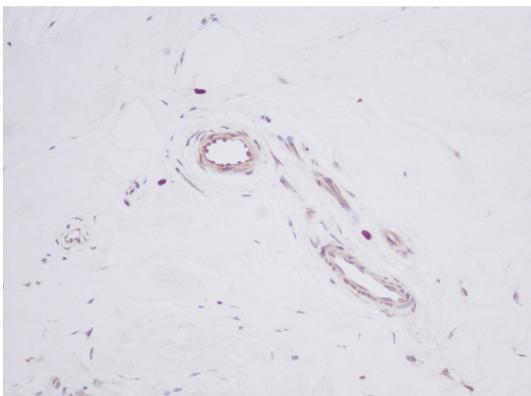
## Images

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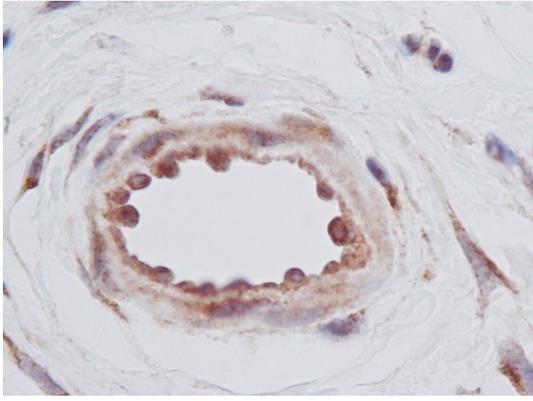
**ARG56671 anti-TGF alpha antibody IHC-P image**

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human breast invasive ductal carcinoma. The recommended ARG56671 anti-TGF alpha antibody concentration is 0.5 µg/ml with a two-hour incubation at RT. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



**ARG56671 anti-TGF alpha antibody IHC-P image**

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