

## Rabbit TGFB1 Polyclonal Antibody | anti-TGFB1 antibody

TGFB1 Polyclonal Antibody

|                              |                       |                                        |                                                           |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA37334</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

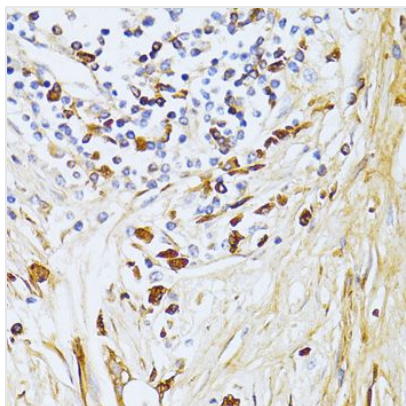
### PRODUCT SYNONYMS

TGFB1; Polyclonal Antibody; TGFB1 Polyclonal Antibody; CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1; anti-TGFB1 antibody

### PRODUCT SPECIFICATIONS

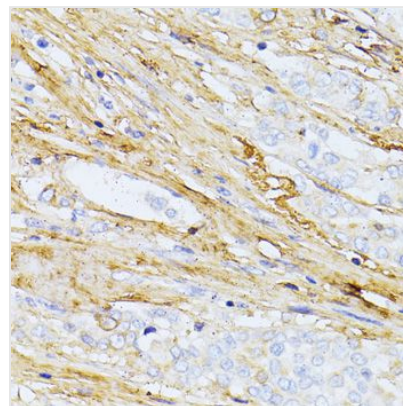
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 683                                                                                                                                                   |
| Applicable Applications for anti-TGFB1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human TGFB1                                                                                                                    |
| Calculated Molecular Weight                     | 75kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



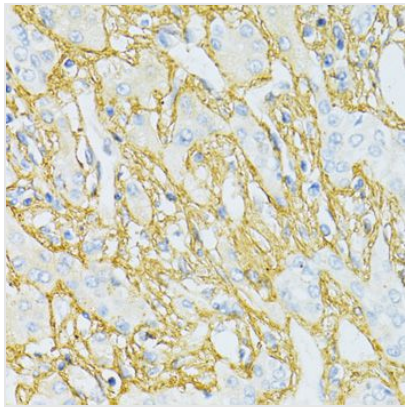
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using TGFB1 antibody at dilution of 1:100 (40x lens).



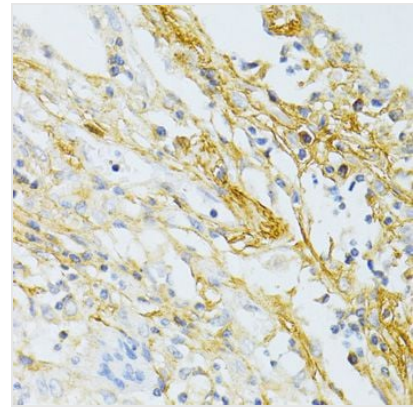
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using TGFB1 antibody at dilution of 1:100 (40x lens).



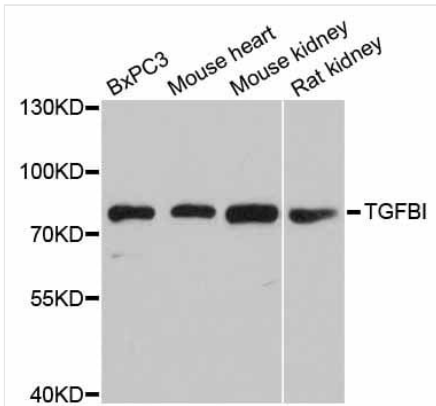
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using TGFB1 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using TGFB1 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using TGFB1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-TGFB1 antibody</b> | This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in this gene are associated with multiple types of corneal dystrophy. |
| <b>Product Categories/Family for anti-TGFB1 antibody</b>   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 2498193                                                                        |
| <b>NCBI GeneID</b>                      | 7045                                                                           |
| <b>UniProt Accession #</b>              | Q15582; O14471; O14472; O14476; O43216; O43217; O43218; O43219; Q53XM1; D3DQB1 |
| <b>Molecular Weight</b>                 | 683                                                                            |
| <b>NCBI Official Full Name</b>          | Transforming growth factor-beta-induced protein ig-h3                          |
| <b>NCBI Official Synonym Full Names</b> | transforming growth factor, beta-induced, 68kDa                                |
| <b>NCBI Official Symbol</b>             | TGFB1                                                                          |

|                                      |                                                                                                                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Synonym Symbols</b> | CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1                                                                                                                              |
| <b>NCBI Protein Information</b>      | transforming growth factor-beta-induced protein ig-h3; RGD-CAP; beta ig-h3; kerato-epithelin; RGD-containing collagen-associated protein; transforming growth factor, beta-induced, 68kD |
| <b>UniProt Protein Name</b>          | Transforming growth factor-beta-induced protein ig-h3                                                                                                                                    |
| <b>UniProt Gene Name</b>             | <b>TGFBI</b>                                                                                                                                                                             |
| <b>UniProt Synonym Gene Names</b>    | BIGH3; Beta ig-h3; RGD-CAP                                                                                                                                                               |
| <b>UniProt Entry Name</b>            | BGH3_HUMAN                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/tgfb1-antibody-immunohistochemistry-western-blot-elisa/37334>