

# Product Datasheet

## Beta Ig-h3/TGFBI Antibody

### NBP1-47215

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-47215**

Beta Ig-h3/TGFBI Antibody

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | 0.5 mg/ml  |
| Storage             | Store at -20C. Avoid freeze-thaw cycles.               |
| Clonality           | Polyclonal   |
| Preservative        | 0.02% Sodium Azide                                     |
| Isotype             | IgG  |
| Purity              | Immunogen affinity purified                            |
| Buffer              | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

| Product Description |  |
|---------------------|--|
| Host                | Goat   |
| Gene ID             | 7045   |
| Gene Symbol         | TGFBI  |
| Species             | Human, Rat   |
| Immunogen           | Peptide with sequence C-QLYTDRTEKLRPE corresponding to internal region according to NP_000349.1. |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Peptide ELISA  |
| Recommended Dilutions       | Western Blot 0.1 - 0.3 ug/mL, Immunohistochemistry 4 - 6 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 4 - 6 ug/mL, Immunohistochemistry-Frozen, Peptide ELISA Detection limit 1:32000 |
| Application Notes           | Use in Immunohistochemistry-Frozen reported in scientific literature (PMID:35063020)  |

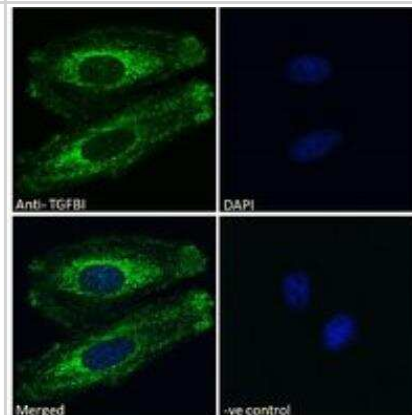


## Images

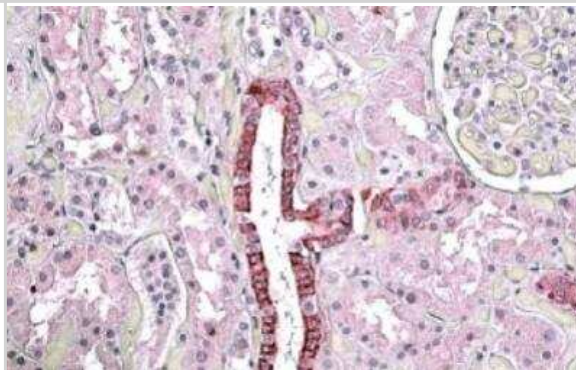
Western Blot: Beta Ig-h3/TGFBI Antibody [NBP1-47215] - Staining of Human Kidney (A), Colorectal cancer (B) cell lysate with antibody at 0.3 ug/mL, Human Prostate (C) and Rat Kidney (D) cell lysate with antibody at 0.1 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: Beta Ig-h3/TGFBI Antibody [NBP1-47215] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing golgi and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunohistochemistry-Paraffin: Beta Ig-h3/TGFBI Antibody [NBP1-47215] - Staining of paraffin embedded human kidney. Antibody at 3.8 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Zhou S, Zang S, Hu Y et al. Transcriptome-scale spatial gene expression in rat arcuate nucleus during puberty *Cell & bioscience* 2022-01-21 [PMID: 35063020] (IHC-Fr, Rat)

Zenteno JC, Correa-Gomez V, Santacruz-Valdez C et al. Clinical and genetic features of TGFBI-linked corneal dystrophies in Mexican population: description of novel mutations and novel genotype-phenotype correlations. *Exp Eye Res* 2009-08-01 [PMID: 19303004]



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### Products Related to NBP1-47215

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|                 |  |
|-----------------|--|
| HAF017          | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109          | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control   |
| NBP1-88606PEP   | Beta Ig-h3/TGFBI Recombinant Protein Antigen                           |

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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