

Datasheet for ABIN453416
anti-TGM4 antibody (Middle Region)

2 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 0.4 mL |
| Target: | TGM4 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TGM4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

Product Details

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|---------------|--|
| Immunogen: | KLH conjugated synthetic peptide selected from the Center region of human TGM4 |
| Specificity: | Thus antibody reacts to Transglutaminase-4 (TGM4). |
| Purification: | Affinity chromatography on Protein A |

Target Details

| | |
|-------------------|---|
| Target: | TGM4 |
| Alternative Name: | Transglutaminase-4 (TGM4) (TGM4 Products) |
| Background: | TGM4 is associated with the mammalian reproductive process and catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract. Synonyms: Fibrinolygase, Prostate transglutaminase, Prostate-specific transglutaminase, Protein-glutamine gamma-glutamyltransferase 4, TGP, TGase-4 |

Target Details

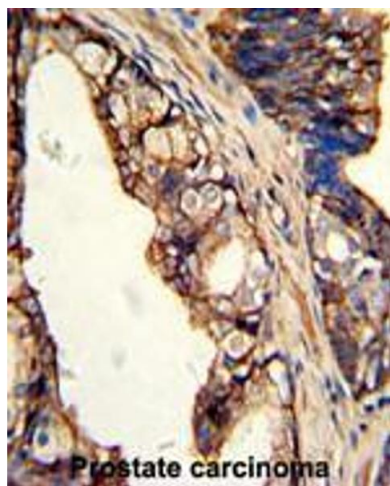
| | |
|-----------------|---------------------------|
| Gene ID: | 7047 |
| NCBI Accession: | NP_003232 |
| UniProt: | P49221 |

Application Details

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|--------------------|--|
| Application Notes: | ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

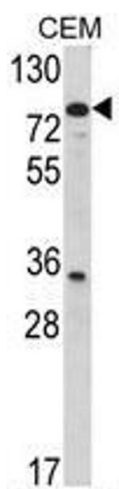
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS with 0.09 % (W/V) sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human prostate carcinoma with TGM4 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of TGM4 Antibody (Center) in CEM cell line lysates (35ug/lane). TGM4 (arrow) was detected using the purified Pab.