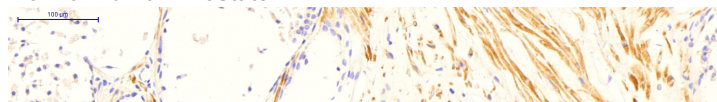


TGM4 antibody - N-terminal region (ARP42109_P050)

Data Sheet

Product Number	ARP42109_P050
Product Name	TGM4 antibody - N-terminal region (ARP42109_P050)
Size	50ug
Gene Symbol	TGM4
Alias Symbols	TGP; hTGP
Nucleotide Accession#	NM_003241
Protein Size (# AA)	684 amino acids
Molecular Weight	77kDa
Product Format	Lyophilized powder
NCBI Gene Id	7047
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Transglutaminase 4 (prostate)
Gene Family	TGM
Description	This is a rabbit polyclonal antibody against TGM4. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region: KEDMVFMPDEDERKEYLNDTGCHYVGAARSIKCKPWNFGQFEKNVLDCC
Target Reference	Davies,G., (2007) J. Exp. Ther. Oncol. 6 (3), 257-264
Description of Target	TGM4 is associated with the mammalian reproductive process. TGM4 catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract.
Partner Proteins	CALML5, LOC220594, USP53
Reconstitution and Storage	Add 50 ul of distilled water. Final anti-TGM4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-TGM4 antibody is Catalog # AAP42109 (Previous Catalog # AAPP24588)
Immunogen	The immunogen for anti-TGM4 antibody: synthetic peptide directed towards the N terminal of human TGM4
Swissprot Id	P49221
Protein Name	Protein-glutamine gamma-glutamyltransferase 4
Sample Type Confirmation	TGM4 is strongly supported by BioGPS gene expression data to be expressed in OVCAR3
Protein Accession #	NP_003232
Purification	Affinity Purified
Species Reactivity	Human, Mouse, Zebrafish, Rat, Guinea pig
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Human: 100%; Mouse: 83%; Zebrafish: 82%; Pig: 75%; Rat: 75%; Guinea pig: 75%

Normal Human Prostate



[Product Page for TGM4 antibody - N-terminal region \(ARP42109_P050\)](#)

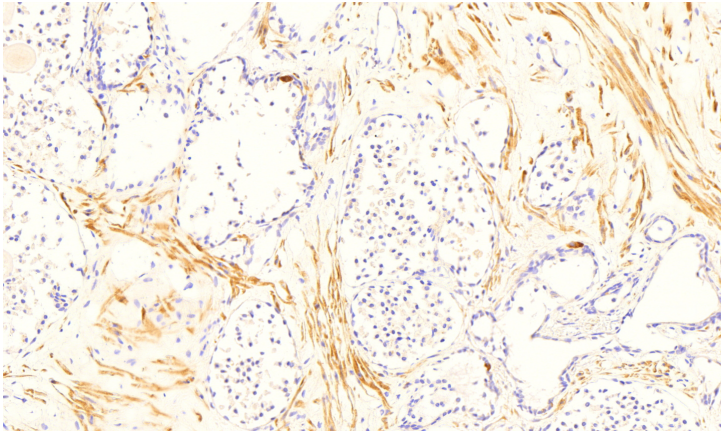
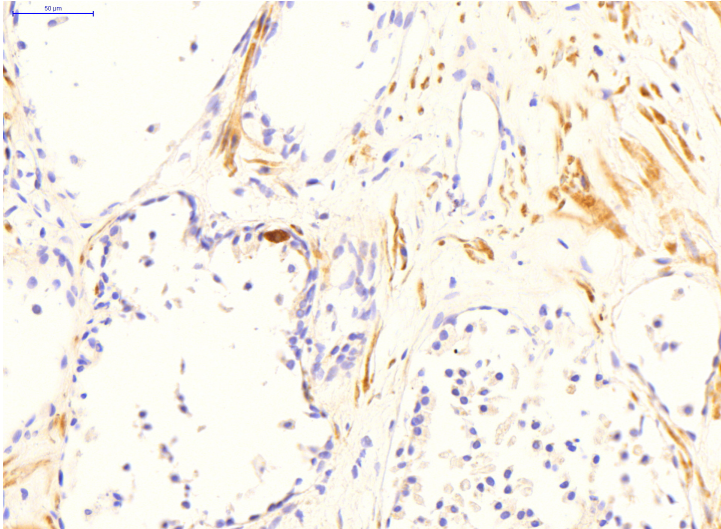
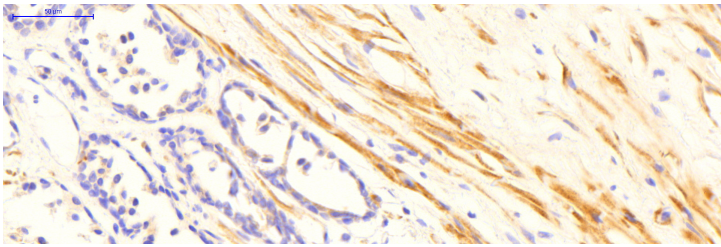
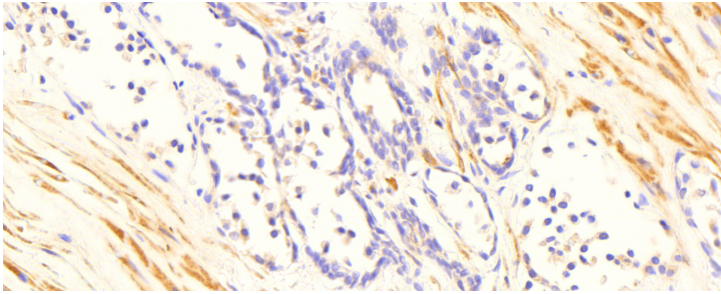

Image 1		<p>terminal region (ARP42109_P050)</p> <p>Sample Type : Normal Human Prostate Primary Antibody Dilution : 2ug/mL Color/Signal Descriptions: TGM4 (DAB; brown), nuclei (hematoxylin; blue) Gene Name: TGM4</p>
Image 2	<p>Normal Human Prostate</p> 	<p>Product Page for TGM4 antibody - N-terminal region (ARP42109_P050)</p> <p>Sample Type : Normal Human Prostate Primary Antibody Dilution : 2ug/mL Color/Signal Descriptions: TGM4 (DAB; brown), nuclei (hematoxylin; blue) Gene Name: TGM4</p>
	<p>Normal Human Prostate</p> 	<p>Product Page for TGM4 antibody - N-terminal region (ARP42109_P050)</p> <p>Sample Type : Normal Human Prostate</p>

Image 3	<div></div> <div><p>Normal Human Tissue</p><p>Primary Antibody Dilution : 2ug/mL</p><p>Color/Signal Descriptions: TGM4 (DAB; brown), nuclei (hematoxylin; blue)</p><p>Gene Name: TGM4</p></div>
Image 4	<div><p>Human OVCAR3</p><div></div><div><p>90 kDa__</p><p>65 kDa__</p><p>40 kDa__</p><p>31kDa__</p><p>22 kDa__</p></div></div> <div><p>WB Suggested Anti-TGM4 Antibody Titration: 0.2-1 ug/ml</p><p>ELISA Titer: 1:312500</p><p>Positive Control: OVCAR-3 cell lysate</p><p>TGM4 is strongly supported by BioGPS gene expression data to be expressed in Human OVCAR3 cells</p></div>

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Optimal conditions of its use should be determined by end users.