

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3613a

Specification

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - Product Information

Application	WB, E
Primary Accession	P49221
Other Accession	NP_003232.2 , 7047
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	77145

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - Additional Information

Gene ID 7047

Other Names

Protein-glutamine gamma-glutamyltransferase 4, 2.3.2.13, Fibrinolyase, Prostate transglutaminase, Prostate-specific transglutaminase, Transglutaminase P, TG(P), TGP, TGase P, Transglutaminase-4, TGase-4, TGM4

Dilution

WB~~1:1000
E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - Protein Information

Name TGM4

Function

Associated with the mammalian reproductive process. Catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract.

Tissue Location

Prostate.

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - Images

AF3613a (1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

transglutaminase 4 (aa49-63) Antibody (internal region, near N-Term) - References

The prostate transglutaminase, TGase-4, coordinates with the HGFL/MSP RON system in stimulating the migration of prostate cancer cells. Jiang WG, Ye L, Ablin RJ, Kynaston HG, Mason MD. Int J Oncol. 2010 Aug;37(2):413-8. PMID: 20596668