

Transglutaminase-1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58491**Specification**

Transglutaminase-1 Polyclonal Antibody - Product Information

Application	IHC-P, FC
Primary Accession	P22735
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89787

Transglutaminase-1 Polyclonal Antibody - Additional Information**Gene ID** 7051**Other Names**

Protein-glutamine gamma-glutamyltransferase K, 2.3.2.13, Epidermal TGase, Transglutaminase K, TG(K), TGK, TGase K, Transglutaminase-1, TGase-1, TGM1, KTG

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Transglutaminase-1 Polyclonal Antibody - Protein Information**Name** TGM1**Synonyms** KTG**Function**

Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Responsible for cross-linking epidermal proteins during formation of the stratum corneum. Involved in cell proliferation (PubMed:<[a href="http://www.uniprot.org/citations/26220141"](http://www.uniprot.org/citations/26220141) target="_blank">26220141).

Cellular Location

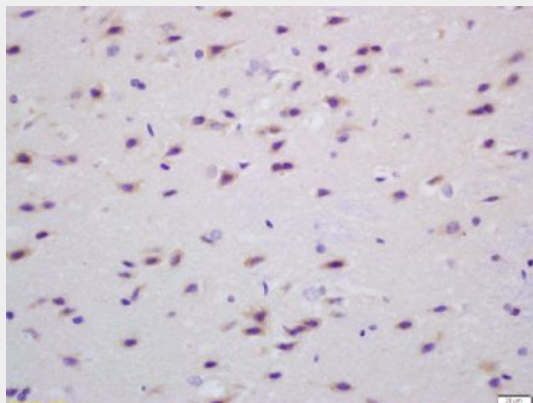
Membrane; Lipid- anchor

Transglutaminase-1 Polyclonal Antibody - 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](#)

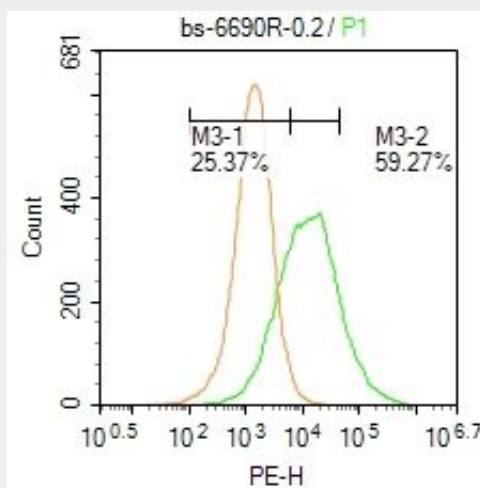
Transglutaminase-1 Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Transglutaminase Polyclonal Antibody, Unconjugated(bs-6690R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-Transglutaminase antibody (bs-6690R)

Dilution: 1 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 0.2 µg /test.

Protocol

The cells were incubated in 5 %BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.