

Catalog No. BN41227R

Rabbit Anti-Transglutaminase-1 Polyclonal Antibody

DATASHEET

Host:Rabbit**Target Protein:**Transglutaminase-1**IR:**Immunogen Range:461-560/817**Clonality:**Polyclonal**Isotype:**IgG**Entrez Gene:**[7051](#)**Swiss Prot:**[P22735](#)**Source:**KLH conjugated synthetic peptide derived from human Transglutaminase-1:461-560/817**Purification:**affinity purified by Protein A**Storage:**0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Background:**Tissue transglutaminase is a calcium activated enzyme which catalyzes the cross linking of proteins and the conjugation of polyamines to proteins. The identification of transglutaminase as the main antigen of endomysium antibodies allows a new diagnostic approach to celiac disease (CD). CD, a genetic, immunologically mediated small bowel enteropathy that causes malabsorption, is a relatively common disorder in Western countries.**Concentration:**1mg/ml**Applications:**ELISA(1:5000-10000)

IHC-P(1:100-500)

IHC-F(1:100-500)

Flow-Cyt(0.2ug/test)

IF(1:100-500)

Cross Reactive Species:Human

Mouse

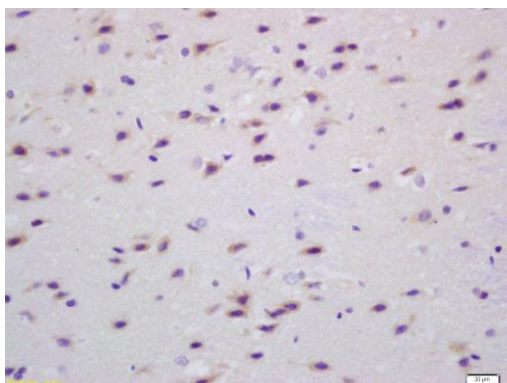
Rat

Dog

Pig

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For research use only. Not intended for diagnostic or therapeutic use.

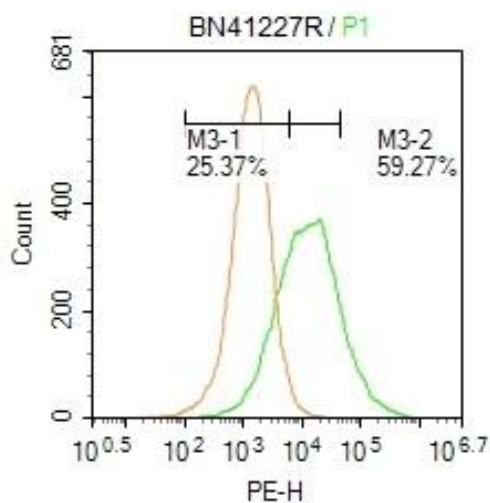
VALIDATION IMAGES



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) at 37°C for 20 min;

Incubation: Anti-Transglutaminase Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining



Blank control: HeLa.

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

Dilution: 1µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 0.2µg /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.