



## Rabbit Anti-Transglutaminase 2 antibody

SL6196R

<b>Product Name:</b>	Transglutaminase 2
<b>Chinese Name:</b>	谷氨酰胺转胺酶2抗体
<b>Alias:</b>	ALPHA SUBUNIT; C polypeptide; EC 2.3.2.13; G alpha h; G protein alpha subunit Gh class; G[a]h; Gh CLASS G ALPHA h; GNAH; GNAH G PROTEIN; Guanine nucleotide binding protein H polypeptide; H POLYPEPTIDE; Protein glutamine gamma glutamyltransferase 2; Protein glutamine gamma glutamyltransferase; Protein-glutamine gamma-glutamyltransferase 2; TG 2; TG(C); TG2; TGase C; TGase C; TGase H; TGase-2; TgaseII; TGC; TGC GUANINE NUCLEOTIDE BINDING PROTEIN; TGM 2; TGM2; TGM2; TGM2_HUMAN; Tissue transglutaminase; Tissue type transglutaminase; Transglutaminase 2; Transglutaminase 2 C polypeptide; Transglutaminase C; Transglutaminase H; Transglutaminase-2; tTG; tTGas.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	77kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TGM2.:551-650/687
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.

**PubMed:**[PubMed](#)

Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.

**Function:**

Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.

**Subunit:**

Monomer.

**Similarity:**

Belongs to the transglutaminase superfamily. Transglutaminase family.

**SWISS:**

P21980

**Gene ID:**

7052

**Product Detail:****Database links:**

[Entrez Gene: 7052](#) Human

[Entrez Gene: 21817](#) Mouse

[Omim: 190196](#) Human

[SwissProt: P21980](#) Human

[SwissProt: P21981](#) Mouse

[Unigene: 517033](#) Human

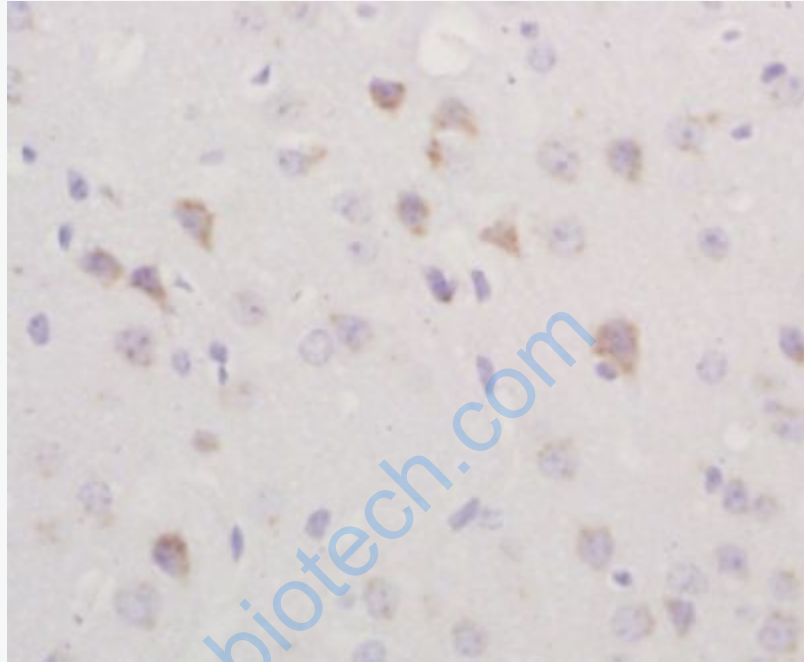
[Unigene: 330731](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

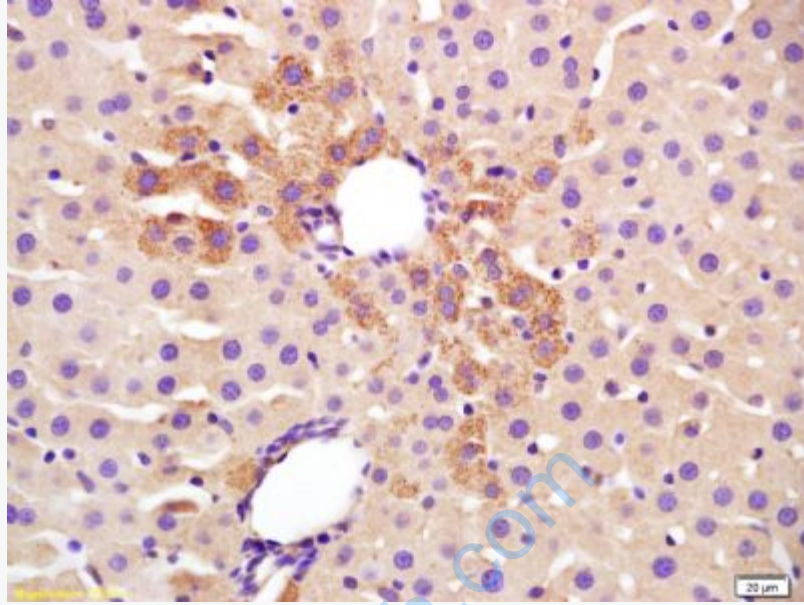
谷氨酰胺转氨酶, 简称TG。微生物谷氨酰胺转氨酶在自然界中广泛存在于动物、Bo

tany和微生物中,它是一种酰基转移酶一种催化蛋白质间(或多肽)发生共价交联的酶,这种交联对蛋白质的性质,凝聚能力,热稳定,含水能力有着显著的影响。目前也是食品行业中很常用的食品添加剂。

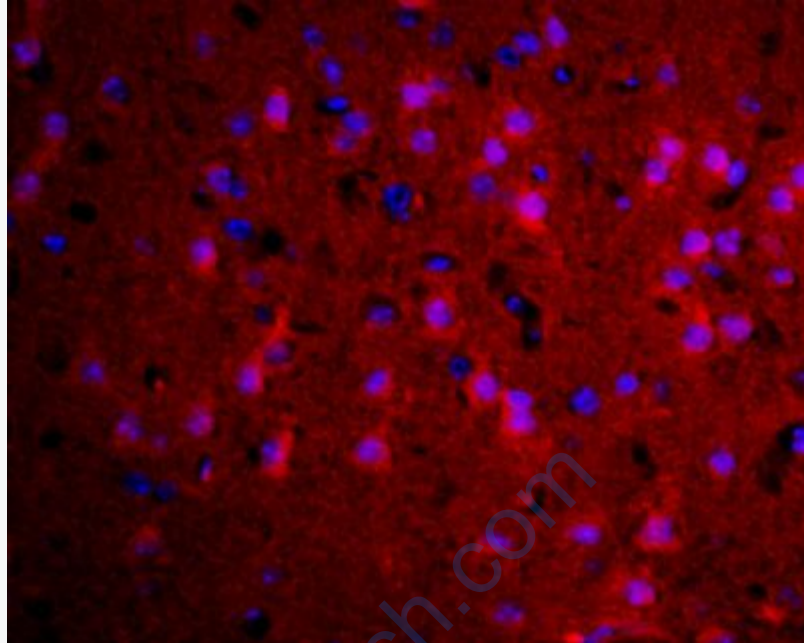


Picture:

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-TGM2 Polyclonal Antibody, Unconjugated(SL6196R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat liver 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-TGM2 Polyclonal Antibody, Unconjugated(SL6196R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min;  
Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-TGM2 Polyclonal Antibody, Unconjugated(SL6196R) 1:200,  
overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3  
conjugated(SL6196R)used at 1:200 dilution for 40 minutes at 37°C.  
DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei