

产品名称: TGase2 Rabbit Polyclonal Antibody
产品货号: APRab18846



产品概述 (Summary)

产品名称 (Production Name)	TGase2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TGM2
别名 (Alternative Names)	TGM2; Protein-glutamine gamma-glutamyltransferase 2; Tissue transglutaminase; Transglutaminase C; TG(C); TGC; TGase C; Transglutaminase H; TGase H; Transglutaminase-2; TGase-2
基因 ID (Gene ID)	7052.0
蛋白 ID (SwissProt ID)	P21980.The antiserum was produced against synthesized peptide derived from human Transglutaminase 2. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	90kDa

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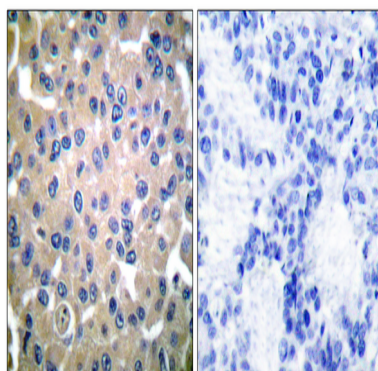
研究背景 (Background)

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. [provided by RefSeq, Jul 2008],catalytic activity:Protein glutamine + alkylamine = protein N(5)-alkylglutamine + NH(3),cofactor:Binds 1 calcium ion per subunit,disease:Defects in TGM2 are involved in early-onset diabetes type 2,function:Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins,induction:By retinoic acid,online information:Tissue transglutaminase entry,similarity:Belongs to the transglutaminase superfamily. Transglutaminase family,subunit:Monomer,

研究领域 (Research Area)

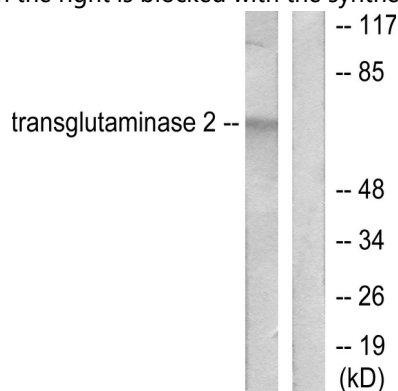
Huntington's disease;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Transglutaminase 2 Antibody.

The picture on the right is blocked with the synthesized peptide.

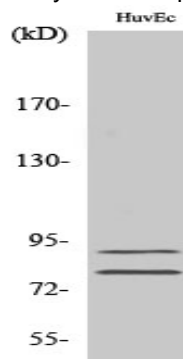


Western blot analysis of lysates from HUVEC cells, using Transglutaminase 2 Antibody. The lane on the right is blocked with

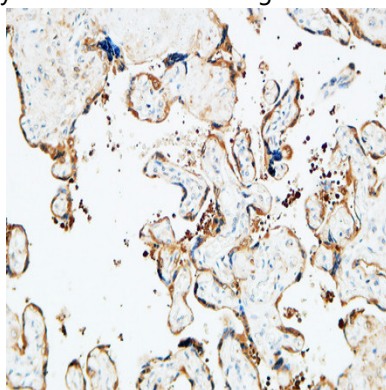
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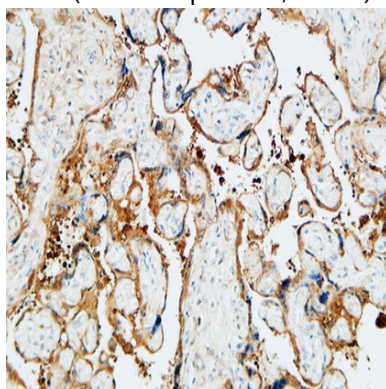
the synthesized peptide.



Western Blot analysis of various cells using TGase2 Polyclonal Antibody

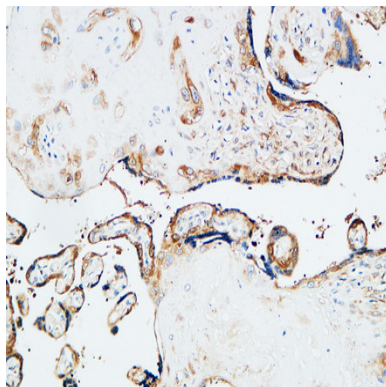


Immunohistochemical analysis of paraffin-embedded Human placenta. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

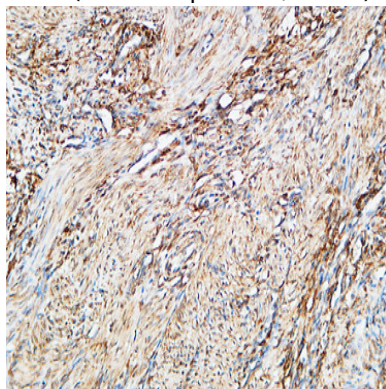


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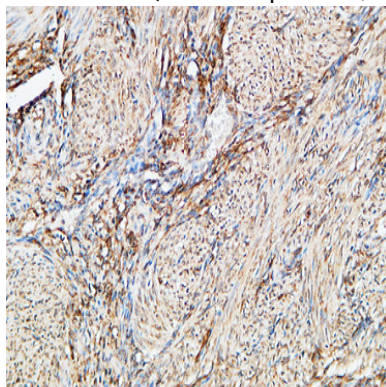
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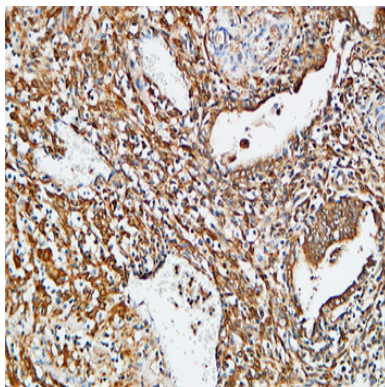


Immunohistochemical analysis of paraffin-embedded Human Endometrium. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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注意事项 (Note)

For research use only .