

Anti-Transglutaminase 2 Antibody

Catalog #	Source	Reactivity	Applications
CPA2159	Rabbit	H, M, R, Mk	WB, IH
Description	Rabbit polyclonal antibody to Transglutaminase 2		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Transglutaminase 2. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Transglutaminase 2 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)		
Gene Symbol	TGM2		
Alternative Names	Protein-glutamine gamma-glutamyltransferase 2; Tissue transglutaminase; Transglutaminase C; TG(C); TGC; TGase C; Transglutaminase H; TGase H; Transglutaminase-2; TGase-2		
Entrez Gene	7052 (Human)		
SwissProt	P21980 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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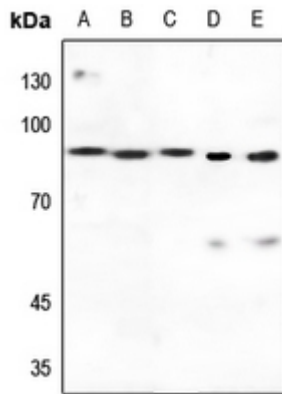
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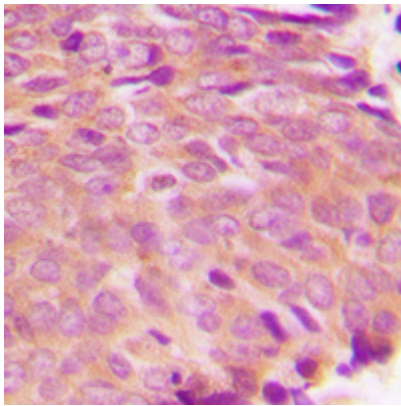
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Product Data Sheet



Western blot analysis of Transglutaminase 2 expression in HEK293T (A), Hela (B), mouse lung (C), mouse muscle (D), rat lung (E) whole cell lysates. (Predicted band size: 77 kD; Observed band size: 90 kD)



Immunohistochemical analysis of Transglutaminase 2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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