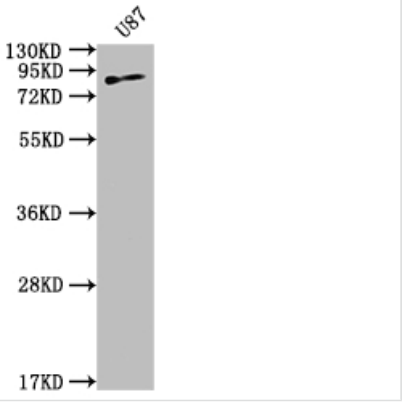
TGM2 Antibody

Product Code	CSB-RA147681A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P21980
Immunogen	A synthesized peptide derived from human TGM2
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Cell biology; Immunology; Metabolism; Signal transduction
Gene Names	TGM2
Accession NO.	7E1

Image



Western Blot
Positive WB detected in: U87 whole cell lysate
All lanes: TGM2 antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 78, 62, 39 kDa
Observed band size: 78 kDa

Description

TGM2 is a multifunctional enzyme that exhibits crosslinking, GTPase, cell adhesion, protein disulfide isomerase, kinase, and scaffold activities. TGM2 is involved in the regulation of cell proliferation, differentiation, and apoptosis, as well as tissue remodeling/wound healing and ECM assembly, due to its various

functions. TGM2 is present in the extracellular matrix, plasma membrane, cytosol, mitochondria, recycling endosomes, and nucleus. Its subcellular distribution influences its function. TGM2 modulates its subcellular location and biological activity depending on the cell type and stimulation, performing both anti- and pro-apoptotic roles.

The TGM2 antibody genes were cloned from B cells that were derived from immunized animals with A synthesized peptide derived from human TGM2 and then introduced into the plasma vectors, which were transfected into mammalian cell lines for up-scaling expression. The product was purified by A synthesized peptide derived from human TGM2 to obtain the recombinant antibody against TGM2. This recombinant TGM2 antibody is reactive with the TGM2 protein from Human. It is recommended for use in the ELISA, WB.