Transglutaminase 2 Conjugated Antibody

Catalog No: #C49721

Package Size: #C49721-AF350 100ul #C49721-AF405 100ul #C49721-AF488 100ul #C49721-AF555 100ul #C49721-AF594 100ul #C49721-AF647 100ul #C49721-AF680 100ul #C49721-AF750 100ul #C49721-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Transglutaminase 2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ALPHA SUBUNIT antibody C polypeptide antibody EC 2.3.2.13 antibodyepididymis secretory protein Li 45 antibody G alpha h antibody G[a]h antibody Gh CLASS G ALPHA h antibody GNAH antibody GNAH G PROTEIN antibody H POLYPEPTIDE antibody HEL-S-45 antibody Protein glutamine gamma glutamyltransferase 2 antibody Protein-glutamine gamma-glutamyltransferase 2 antibody TG 2 antibody TG(C) antibody TG2 antibody TGase C antibody TGase H antibody TGase-2 antibody TgaseII antibody TGC antibody TGC GUANINE NUCLEOTIDE BINDING PROTEIN antibody TGM2 antibody TGM2_HUMAN antibody Tissue transglutaminase antibody Transglutaminase 2 antibody Transglutaminase 2 C polypeptide antibody Transglutaminase C antibody Transglutaminase H antibody Transglutaminase-2 antibody tTG antibody tTGas antibody
Accession No.	Swiss-Prot#:P21980
Uniprot	P21980
GeneID	7052;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	77 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Terminally differentiating mammalian epidermal cells acquire an insoluble, 10 to 20 nm thick protein deposit on the intracellular surface of the plasma membrane known as the cross-linked cell envelope (CE). The CE is a component of the epidermis that is generated through formation of disulfide bonds and g-glutamyl-lysine isodipeptide bonds, which are formed by the action of transglutaminases (TGases). TGases are intercellularly localizing, Ca2+-dependent enzymes that catalyze the formation of isopeptide bonds by transferring an amine on to glutaminyl residues, thereby cross-linking glutamine residues and lysine residues in substrate proteins. TGases influence numerous biological processes, including blood coagulation, epidermal differentiation, seminal fluid coagulation, fertilization, cell differentiation and apoptosis. Human keratinocyte transglutaminase (TGase1) is a membrane associated, 817 amino acid protein. Human tissue transglutaminase (TGase2) is an endothelial cell specific, 687 amino acid protein.

Note: This product is for in vitro research use only