Revision 5			
TGM2 (D11A6) XP <sup>®</sup> Rabbit mAb	<b>Cell Signaling</b> TECHNOLOGY®		
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Applications: W, IHC-P	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 78	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P21980	Entrez-Gene Id 7052		
Product Usage		Application			D	ilution		
Information		Western Blotting			1:	1000		
		Immunohistochemistry (Paraffin)			1:100			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
		For a carrier free (BS	A and azide free) ver	sion of this product see	product #56184.			
Specificity/Sen	sitivity	TGM2 (D11A6) XP <sup>®</sup> R	abbit mAb detects e	ndogenous levels of tota	al TGM2 protein.			
Source / Purific	ation		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys598 of human TGM2.					
Background		extracellular matrix p residues (1). This bifu regulation of the trar signaling pathway (2 migration, apoptosis wound healing and t like growth factor-bir protein is localized to extracellular matrix ( and its role in the ress human disorders. It TGM2 expression or	proteins by catalyzin unctional enzyme als nsamidase activity m ). In cross-linking pe and cell-matrix adh he immune respons nding protein-3 (IGF o the cytosol and nur reviewed in 5). Beca sponse to injury, TGM nas long been recog activity may be asso	dependent enzyme that g the formation of bond so has intrinsic GTPase a hight be regulated throw ptides, TGM2 helps to re esion. In addition, the er e (3). TGM2 has exhibite BP-3) as one possible sul cleus, but has also been use of its interaction with M2 has been associated win nized as the major autoa ciated with Alzheimer dia forms of cancer (review	s between lysine ar ctivity, and it has be gulate cytoskeletal azyme plays an imp d kinase activity <i>in</i> ostrate (4). This wic isolated from the c n a number of diffe with the pathology antigen in celiac dis sease, Huntington	nd glutamine een suggested that oled receptor- structure, cell oortant role in <i>vitro</i> , with insulin- lely expressed ell surface and rent substrates, of a number of sease (6); altered		
Background Re	ferences	<ol> <li>Griffin, M. et al. (2002) <i>Biochem J</i> 368, 377-96.</li> <li>Jeon, J.H. et al. (2002) <i>Biochem Biophys Res Commun</i> 294, 818-22.</li> <li>Fesus, L. and Piacentini, M. (2002) <i>Trends Biochem Sci</i> 27, 534-9.</li> <li>Mishra, S. and Murphy, L.J. (2004) <i>J Biol Chem</i> 279, 23863-8.</li> <li>Robinson, N.J. et al. (2007) <i>Biol Reprod</i> 77, 648-57.</li> <li>Dieterich, W. et al. (1997) <i>Nat Med</i> 3, 797-801.</li> <li>Facchiano, F. et al. (2006) <i>Front Biosci</i> 11, 1758-73.</li> </ol>						
Species Reactiv	vity	Species reactivity is d	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For wes TBS, 0.1% Tween® 20		e membrane with diluted primary antibody in 5% w/v BSA, 1X • shaking, overnight.				
Applications Ke	ey	W: Western Blotting IHC-P: Immunohistochemistry (Paraffin)						
Cross-Reactivit	у Кеу	H: Human M: Mouse R: Rat Mk: Monkey						
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