

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PAM in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human PAM Phe21-Val817 Accession # P19021
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PAM (Peptidyl-Gly α-amidating monooxygenase) is a dual-function, 95-110 kDa protein that belongs to both the lyase and monooxygenase enzyme families. It is expressed in a variety of endocrine and exocrine glands and catalyzes the conversion of C-terminal Gly into amidated residues. Human ProPAM is a 953 amino acid (aa) type I transmembrane glycoprotein. It contains an 833 aa extracellular domain (ECD) (aa 31-863) and an 86 aa cytoplasmic tail. The ECD shows one PHM/monooxygenase region (aa 40-347) and a PAL/lyase domain (aa 495-817). Both regions are enzymatically active. Alternative splicing may generate a soluble form (aa 31-828), and remove aa 388-494 that link the two embedded enzyme segments. Over aa 21-817, human PAM is 91% aa identical to mouse PAM.

PRODUCT SPECIFIC NOTICES

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