

For Research Use Only

# PAM Polyclonal antibody

Catalog Number: 15464-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 15464-1-AP	<b>GenBank Accession Number:</b> BC018127	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 240 µg/ml	<b>GeneID (NCBI):</b> 5066	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P19021	
<b>Isotype:</b> IgG	<b>Full Name:</b> peptidylglycine alpha-amidating monooxygenase	
<b>Immunogen Catalog Number:</b> AG7762	<b>Calculated MW:</b> 108 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human

## Background Information

PAM (Peptidyl-glycine alpha-amidating monooxygenase) is a multifunctional protein containing 2 enzymes, PHM and PAL. The PAM protein containing the peptide encoded by exon A (Type B mRNA) is cleaved to form 41- and 43-kDa proteins, and the 75kDa PAM protein is determined by lacking antigenic exon B (Type A) (PMID:1740449). The substrate specificity of PAM is broad, and production of all α-amidated peptides may be dependent upon proteins encoded by the single copy PAM gene (PMID:8436961). It has 6 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Saraon Punit P	22908226	J Biol Chem	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data