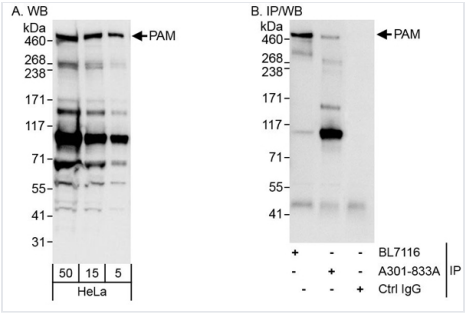
PAM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAM, Polyclonal Antibody
Full Product Name	Rabbit anti-PAM Antibody, Affinity Purified
Product Gene Name	anti-PAM antibody
Product Synonym Gene Name	MYCBP2
Product Synonym Names	pam/highwire/rpm-1 protein; E3 ubiquitin-protein ligase MYCBP2; RING-type E3 ubiquitin transferase MYCBP2; protein associated with Myc; Phr; PAM; Myc-bp2; Highwire; myc-binding protein 2; E3 ubiquitin-protein ligase MYCBP2; MYC binding protein 2, E3 ubiquitin protein ligase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	AF075587 mRNA
3D Structure	ModBase 3D Structure for O75592
Predicted Reactivity	Mouse
Immunogen	Between 2475 and 2525
Conjugation	Unconjugated
Product Categories/Family for anti-PAM antibody	Primary Antibodies
Applications Tested/Suitable for anti-PAM antibody	Western Blot (WB)
Application Notes for anti-PAM antibody	WB: 1:2000-1:10,000 (3-8% Tris-acetate gel recommended)
Related Product Information for anti-PAM antibody	In addition to its possible functions as a facilitator of Myc activated transcription, PAM (protein associated with Myc) has also been shown to play a role in mTOR signaling. PAM functions as an E3 ubiquitin ligase for tuberin (TSC2), a negative regulator of the mTOR pathway. Additionally PAM has been shown to function as a guanosine exchange factor (GEF) for Rheb and to facilitate sphingosine-1-phosphate signaling in the mTOR pathway.
Other Notes	Small volumes of anti-PAM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PAM purchase	MBS3902273 is an antibody targeting PAM. Also known as Rabbit anti-PAM Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PAM antibody
Detection of human PAM by western blot and immunoprecipitation. Samples: Whole cell lysate (50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-PAM antibody MBS3902273 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. PAM was also immunoprecipitated by rabbit anti-PAM antibody BL7116, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 seconds (A) and 1 second (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAM. It may not necessarily be applicable to this product.

NCBI GeneID	23077
NCBI Accession #	NP_055872.3
UniProt Primary Accession #	O75592
UniProt Protein Name	E3 ubiquitin-protein ligase MYCBP2
UniProt Synonym Protein Names	Myc-binding protein 2; Pam/highwire/rpm-1 protein; Protein associated with Myc; RING-type E3 ubiquitin transferase MYCBP2Curated
Protein Family	Peptidyl-glycine alpha-amidating monooxygenase
UniProt Gene Name	MYCBP2
UniProt Comments for PAM	MYCBP2: Probable E3 ubiquitin-protein ligase which mediates ubiquitination and subsequent proteasomal degradation of target proteins. May function as a facilitator or regulator of transcriptional activation by MYC. May have a role during synaptogenesis. Belongs to the highwire family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 6.3.2.-; EC 6.3.2.19; Ligase; Ubiquitin conjugating system; Ubiquitin ligase Chromosomal Location of Human Ortholog: 13q22.3 Cellular Component: membrane; nucleus Molecular Function: metal ion binding; protein binding; transferase activity Biological Process: protein ubiquitination; regulation of transcription, DNA-templated; transcription, DNA-dependent
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