



# AMPO Monoclonal Antibody

<b>Catalog No</b>	BYmab-07139
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	AOPEP C9orf3 ONPEP
<b>Protein Name</b>	Aminopeptidase O (AP-O) (EC 3.4.11.-)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 190-270
<b>Specificity</b>	AMPO Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	90kD
<b>Cell Pathway</b>	Nucleus, nucleolus .; [Isoform 3]: Cytoplasm .
<b>Tissue Specificity</b>	Brain,Lung,Muscle,Teratocarcinoma,Testis,
<b>Function</b>	cofactor: Binds 1 zinc ion per subunit.,enzyme regulation: Strongly inhibited by ophenanthroline, a metalloprotease inhibitor. Inhibited by arphamenine A, a potent inhibitor of aminopeptidases. Not affected by AEBSF and E-64, which are common inhibitors of serine- and cysteine-proteases, respectively.,function: Aminopeptidases catalyze the hydrolysis of amino acid residues from the N-terminus of peptide or protein substrates. Able to cleave angiotensin III to generate angiotensin IV, a bioactive peptide of the renin-angiotensin pathway. Not able to cleave angiotensin I and angiotensin II. May play a role in the proteolytic processing of bioactive peptides in tissues such as testis and heart.,similarity: Belongs to the peptidase M1 family.,tissue specificity: Predominantly expressed in pancreas, placenta, liver, testis and heart. Expressed at lower level in brain, lung and kidney.,

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Background	This gene encodes a member of the M1 zinc aminopeptidase family. The encoded protein is a zinc-dependent metallopeptidase that catalyzes the removal of an amino acid from the amino terminus of a protein or peptide. This protein may play a role in the generation of angiotensin IV. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images