



AMPO Polyclonal Antibody

Catalog No	YP-Ab-07139
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	AOPEP C9orf3 ONPEP
Immunogen	Synthesized peptide derived from human protein . at AA range: 190-270
Specificity	AMPO Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AP-O;APO;C90RF3;C9orf3;DYT31;ONPEP;AMPO_HUMAN;AOPEP;3.4.11.-; AMPO;AOPEP C9orf3 ONPEP;Aminopeptidase O (AP-O) (EC 3.4.11.-)
Observed Band	94 kDa
Calculated Molecular Weight	94 kDa
Cell Pathway	Nucleus, nucleolus .; [Isoform 3]: Cytoplasm .
Tissue Specificity	Brain,Lung,Muscle,Teratocarcinoma,Testis,
Function	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.,

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