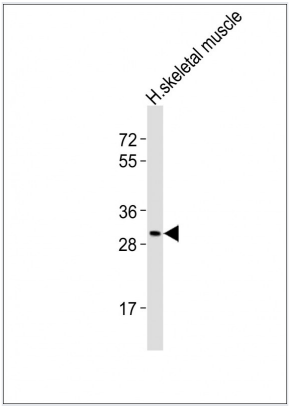
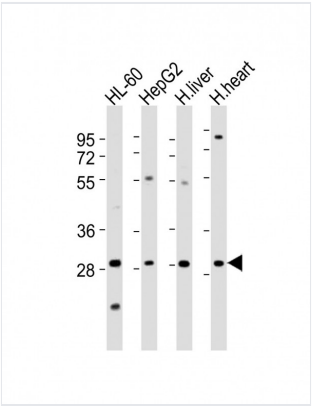
AMZ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AMZ1, Polyclonal Antibody
Full Product Name	AMZ1 Antibody (N-Term)
Product Gene Name	anti-AMZ1 antibody
Product Synonym Names	Archaemetzincin-1; 34--; Archeobacterial metalloproteinase-like protein 1; AMZ1; KIAA1950
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This AMZ1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 65-96 amino acids from the human region of human AMZ1.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	AMZ1 peptide (MBS9229958) is used for blocking the activity of AMZ1 antibody (MBS9213661)
Molecular Weight	54924
OMIM	615168
3D Structure	ModBase 3D Structure for Q400G9
Antigen Source	HUMAN
Applications Tested/Suitable for anti-AMZ1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-AMZ1 antibody	WB~~1:2000
Related Product Information for anti-AMZ1 antibody	Zinc metalloprotease. Exhibits aminopeptidase activity against neurogranin in vitro. Does not hydrolyze angiotensin-2.
Product References and Citations for anti-AMZ1 antibody	Diaz-Perales A.,et al.J. Biol. Chem. 280:30367-30375(2005). Nagase T.,et al.DNA Res. 8:319-327(2001). Ota T.,et al.Nat. Genet. 36:40-45(2004). Hillier L.W.,et al.Nature 424:157-164(2003).
Other Notes	Small volumes of anti-AMZ1 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 AMZ1 purchase	MBS9213661 is an antibody targeting AMZ1. Also known as AMZ1 Antibody (N-Term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-AMZ1 antibody
Anti-AMZ1 Antibody (N-Term)at 1:1000 dilution + human skeletal muscle lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 55 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Western Blot (WB) of anti-AMZ1 antibody
All lanes : Anti-AMZ1 Antibody (N-Term) at 1:2000 dilutionLane 1: HL-60 whole cell lysatesLane 2: HepG2 whole cell lysatesLane 3: human liver lysatesLane 4: human heart lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 55 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMZ1. It may not necessarily be applicable to this product.

NCBI GI #	547235174
NCBI GeneID	155185
NCBI Accession #	NP_001271284.1
UniProt Primary Accession #	Q400G9
UniProt Secondary Accession #	Q8TF51; B3KRS0
UniProt Related Accession #	Q400G9
GenBank Nucleotide #	NM_001284355.1
NCBI Official Full Name	archaemetzincin-1 isoform 2
NCBI Official Synonym Full Names	archaelysin family metallopeptidase 1
NCBI Official Symbol	AMZ1
UniProt Protein Name	Archaemetzincin-1
UniProt Synonym Protein Names	Archeobacterial metalloproteinase-like protein 1
Protein Family	Archaemetzincin
UniProt Gene Name	AMZ1
UniProt Synonym Gene Names	KIAA1950
UniProt Entry Name	AMZ1_HUMAN
NCBI Protein Information	archaemetzincin-1

UniProt Comments for AMZ1	AMZ1: Zinc metalloprotease. Exhibits aminopeptidase activity against neurogranin in vitro. Does not hydrolyze angiotensin-2. Belongs to the peptidase M54 family. Protein type: Protease; EC 3.-.-.- Chromosomal Location of Human Ortholog: 7p22.3 Molecular Function: metallopeptidase activity; zinc ion binding Biological Process: proteolysis
Research Articles on AMZ1	**1.** human archaemetzincin-1 and -2 are two novel members of a family of metalloproteases widely distributed in Archaea
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/amz1/9213661