Anti-AMZ1 antibody

Cat. No.	ml261312
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-AMZ1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human AMZ1
Reactivity	Human
Content	1.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	AMZ1
Full name	archaelysin family metallopeptidase 1

Synonyms

Swissprot   Q400G9

Target Background

AMZ1 shares sequence similarity with archaeal metalloproteases called archaemetzincins, but it appears to act predominantly as a basic aminopeptidase. Inhibited by the general metalloprotease inhibitors o-phenanthroline and batimastat. Also significantly inhibited by amastatin, which is an inhibitor of aminopeptidases. Not inhibited by 4-(2-aminoethyl)-benzenesulfonyl fluoride, E-64, and TIMPS (tissue inhibitors of metalloproteinases), which are inhibitors of serine, cysteine, and matrix metalloproteases, respectively.
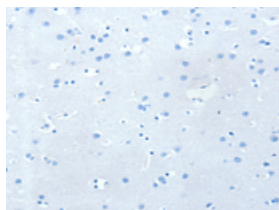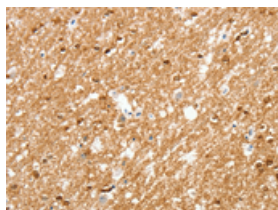
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded
Human brain tissue using ml261312(AMZ1 Antibody) at dilution 1/80,
on the right is treated with synthetic peptide. (Original magnification:
×200)

Western blotting

Predicted band size:55 kDa

Positive control:Human fetal brain and liver tissue
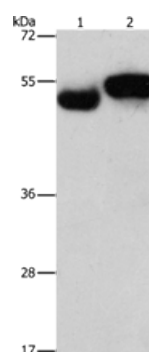
Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

Lysate: 40 μg

Lane 1-2: Human fetal brain tissue, Human liver tissue

Primary antibody: ml261312(AMZ1 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes

ELISA

Recommended dilution: 2000-5000

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