

AGMAT antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14781**Specification**

AGMAT antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q9BSE5
Other Accession	NM_024758 , NP_079034
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Dog
Predicted	Rabbit, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

AGMAT antibody - N-terminal region - Additional Information**Gene ID** 79814**Alias Symbol** **FLJ23384****Other Names**

Agmatinase, mitochondrial, 3.5.3.11, Agmatine ureohydrolase, AUH, AGMAT

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-AGMAT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

AGMAT antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

AGMAT antibody - N-terminal region - Protein Information**Name** AGMAT**Synonyms** GDAH {ECO:0000303|PubMed:36543883}**Function**

Hydrolyzes linear guanidino acids to form urea and the corresponding amines. Displays specificity for substrates having a negatively charged head group and short chains including taurocyamine, guanidino propanoic and butanoic acids. May protect cells by detoxifying potentially harmful amounts of guanidino acids. Metabolizes L-arginine with low efficiency.

Cellular Location

Mitochondrion.

Tissue Location

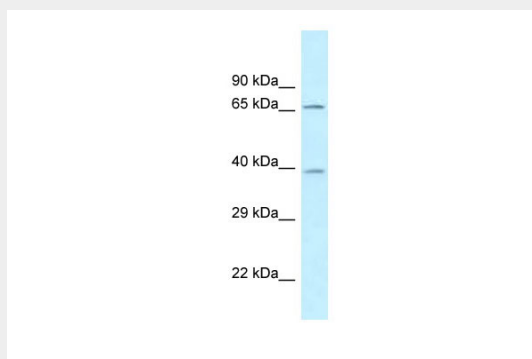
Highly expressed in liver and kidney. Also found in skeletal muscle, fetal liver, brain, testis, skin and the gastrointestinal tract. Within brain, expression is higher in the cerebral cortex with lower levels in the medulla and spinal cord

AGMAT antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AGMAT antibody - N-terminal region - Images



WB Suggested Anti-AGMAT Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Brain

AGMAT antibody - N-terminal region - References

Mistry S.K., et al. Am. J. Physiol. 282:G375-G381(2002).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Iyer R.K., et al. Mol. Genet. Metab. 75:209-218(2002).
Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).