

For Research Use Only

ADO Polyclonal antibody, PBS Only

Catalog Number: 16479-1-PBS

Featured Product



Basic Information

Catalog Number:

16479-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9598

GenBank Accession Number:

BC018660

GeneID (NCBI):

84890

UNIPROT ID:

Q96SZ5

Full Name:

2-aminoethanethiol (cysteamine)
dioxxygenase

Calculated MW:

270 aa, 30 kDa

Observed MW:

28 kDa-30 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

ADO, or 2-aminoethanethiol dioxxygenase, cysteamine dioxxygenase, is a thiol dioxxygenase in humans that adds two oxygen atoms to cysteamine, forming hypotaurine (PMID: 39637922). ADO has been reported to exhibit two distinct biological functions with a nonheme iron center. It catalyzes oxidation of both cysteamine in sulfur metabolism and N-terminal cysteine-containing proteins or peptides, such as regulator of G protein signaling 5 (RGS5) (PMID: 34508780). ADO is ubiquitously expressed with the highest levels in brain, heart, and skeletal muscle. Western blot analysis detected two bands at 28-30 kDa as indicated in publications (PMID: 17581819).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

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