

Product datasheet for **AP50095PU-N**

ADO (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500. Flow Cytometry: 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 206-233 amino acids from the C-terminal region of human ADO
Specificity:	This antibody reacts to ADO.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	2-aminoethanethiol (cysteamine) dioxygenase
Database Link:	Entrez Gene 211488 Mouse Entrez Gene 84890 Human Q96SZ5
Background:	Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy et al., 2007).



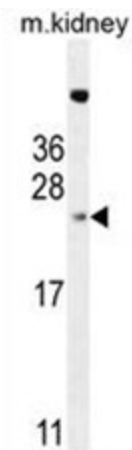
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Synonyms: C10orf22, 2-aminoethanethiol dioxygenase, Cysteamine dioxygenase

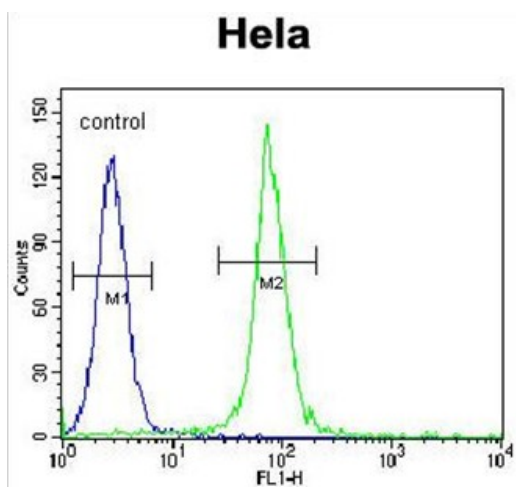
Note: **Molecular Weight:** 29751 Da

Protein Pathways: Metabolic pathways, Taurine and hypotaurine metabolism

Product images:



ADO Antibody (C-term) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the ADO antibody detected the ADO protein (arrow).



ADO Antibody (C-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.