ARG59452
anti-ADO antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ADO
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADO
Species	Human
Immunogen	Recombinant protein corresponding to E49-E261 of Human ADO.
Conjugation	Un-conjugated
Alternate Names	2-aminoethanethiol dioxygenase; C10orf22; EC 1.13.11.19; Cysteamine dioxygenase

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	0.1 - 0.5 µg/ml

Application Note

IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

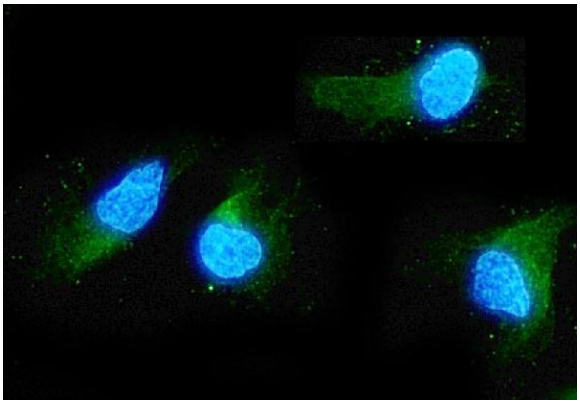
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

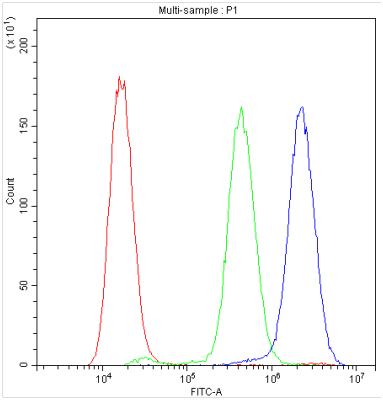
Gene Symbol	ADO
Gene Full Name	2-aminoethanethiol (cysteamine) dioxygenase
Background	Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy et al., 2007 [PubMed 17581819]).[supplied by OMIM, Mar 2008]
Calculated Mw	30 kDa

Images



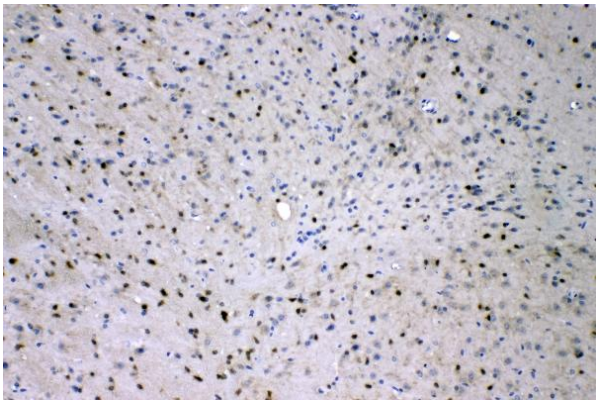
ARG59452 anti-ADO antibody ICC/IF image

Immunofluorescence: A549 cells were blocked with 10% goat serum and then stained with ARG59452 anti-ADO antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



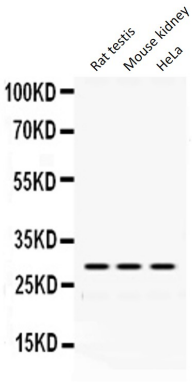
ARG59452 anti-ADO antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG59452 anti-ADO antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



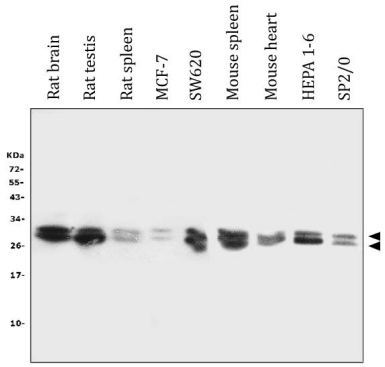
ARG59452 anti-ADO antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59452 anti-ADO antibody at 2 µg/ml dilution, overnight at 4°C.



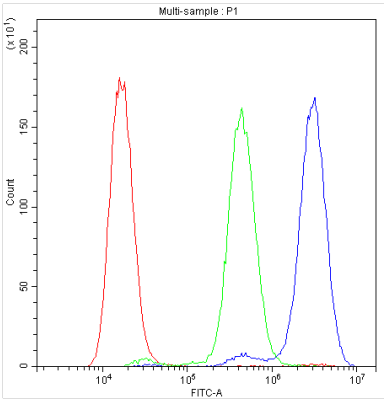
ARG59452 anti-ADO antibody WB image

Western blot: Rat testis, Mouse kidney and HeLa whole cell lysates stained with ARG59452 anti-ADO antibody at 0.5 µg/ml dilution.



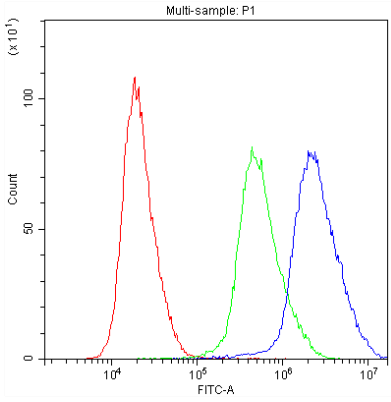
ARG59452 anti-ADO antibody WB image

Western blot: 50 µg of sample under reducing conditions. Rat brain, Rat testis, Rat spleen, MCF-7, SW620, Mouse spleen, Mouse heart, HEPA1-6 and SP2/0 whole cell lysates stained with ARG59452 anti-ADO antibody at 0.5 µg/ml dilution, overnight at 4°C.



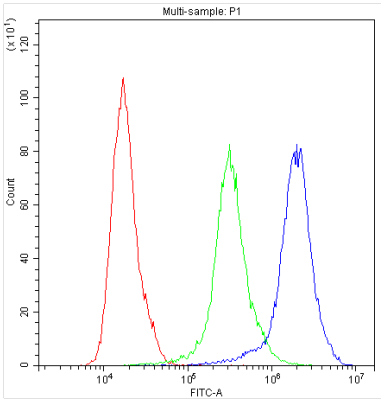
ARG59452 anti-ADO antibody FACS image

Flow Cytometry: U251 cells were blocked with 10% normal goat serum and then stained with ARG59452 anti-ADO antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



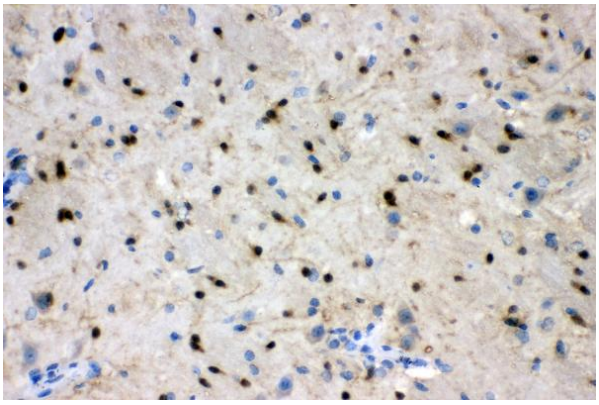
ARG59452 anti-ADO antibody FACS image

Flow Cytometry: HeLa cells were blocked with 10% normal goat serum and then stained with ARG59452 anti-ADO antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59452 anti-ADO antibody FACS image

Flow Cytometry: PC-3 cells were blocked with 10% normal goat serum and then stained with ARG59452 anti-ADO antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59452 anti-ADO antibody IHC-P image

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