

ARG45576 anti-ASCT-1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ASCT-1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Specificity	ASCT-1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ASCT-1
Species	Human
Immunogen	Synthetic peptide corresponding to C-terminal region of human ASCT-1.
Conjugation	Un-conjugated
Alternate Names	SLC1A4; Solute Carrier Family 1 Member 4; ASCT1; SATT; Neutral Amino Acid Transporter A; ASCT-1; Solute Carrier Family 1 (Glutamate/Neutral Amino Acid Transporter), Member 4; Alanine/Serine/Cysteine/Threonine Transporter 1; Alanine/Serine/Cysteine/Threonine Transporter; Glutamate/Neutral Amino Acid Transporter; SPATCCM

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 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

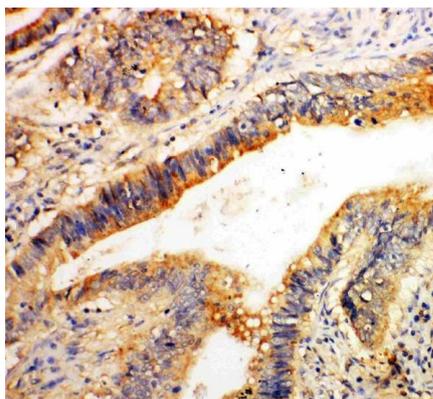
before use.

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

Bioinformation

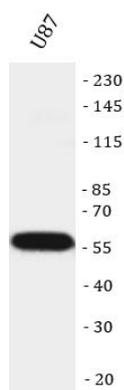
Gene Symbol	SLC1A4
Gene Full Name	Solute Carrier Family 1 Member 4
Background	The protein encoded by this gene is a sodium-dependent neutral amino acid transporter for alanine, serine, cysteine, and threonine. Defects in this gene have been associated with developmental delay, microcephaly, and intellectual disability. [provided by RefSeq, Jan 2017]
Function	Sodium-dependent neutral amino-acid transporter that mediates transport of alanine, serine, cysteine, proline, hydroxyproline and threonine. [UniProt]
Calculated Mw	56 kDa
PTM	Acetylation; Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Membrane. [UniProt]

Images



ARG45576 anti-ASCT-1 antibody IHC-P image

Immunohistochemistry: Human intestinal cancer stained with ARG45576 anti-ASCT-1 antibody.



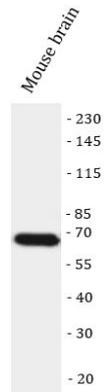
ARG45576 anti-ASCT-1 antibody WB image

Western blot: U87 stained with ARG45576 anti-ASCT-1 antibody.



ARG45576 anti-ASCT-1 antibody WB image

Western blot: Rat brain stained with ARG45576 anti-ASCT-1 antibody.



ARG45576 anti-ASCT-1 antibody WB image

Western blot: Mouse brain stained with ARG45576 anti-ASCT-1 antibody.