

Datasheet for ABIN735983
anti-SLC6A4 antibody (AA 401-500)

2 Images

6 Publications

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Overview

Quantity:	100 µL
Target:	SLC6A4
Binding Specificity:	AA 401-500
Reactivity:	Human, Rat, Mouse, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC6A4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 5-HTT
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	SLC6A4
Alternative Name:	SLC6A4/5-HTT (SLC6A4 Products)

Target Details

Background:	Synonyms: HTT, 5HTT, OCD1, SERT, 5-HTT, SERT1, hSERT, 5-HTTLPR, Sodium-dependent serotonin transporter, 5HT transporter, Solute carrier family 6 member 4, SLC6A4 Background: Serotonin transporter whose primary function in the central nervous system involves the regulation of serotonergic signaling via transport of serotonin molecules from the synaptic cleft back into the pre-synaptic terminal for re-utilization. Plays a key role in mediating regulation of the availability of serotonin to other receptors of serotonergic systems. Terminates the action of serotonin and recycles it in a sodium-dependent manner.
Gene ID:	6532
UniProt:	P31645

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Yu, Huang, Zhang, Ye, Chi, Zou, Lv, Zheng: "Comparison of 5-hydroxytryptophan signaling pathway characteristics in diarrhea-predominant irritable bowel syndrome and ulcerative colitis.
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" in: **World journal of gastroenterology**, Vol. 22, Issue 12, pp. 3451-9, (2016) ([PubMed](#)).

Wang, Gu, Liu, Bai, Wang: "Fluoxetine protects against methamphetamine-induced lung inflammation by suppressing oxidative stress through the SERT/p38 MAPK/Nrf2 pathway in rats." in: **Molecular medicine reports**, Vol. 15, Issue 2, pp. 673-680, (2016) ([PubMed](#)).

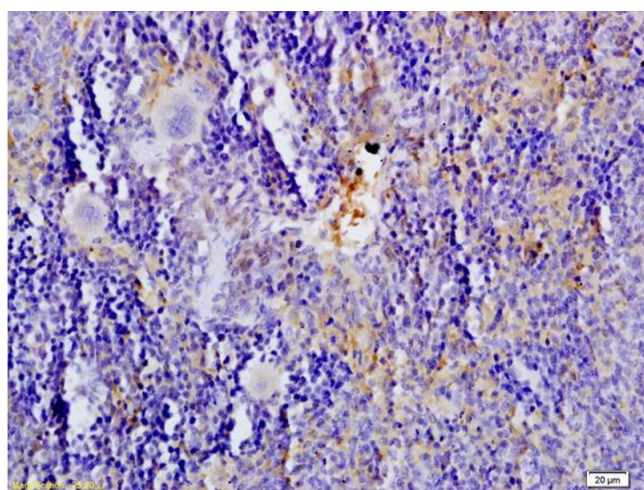
Wojtal, Cee, Lang, Götze, Frühauf, Geier, Pastor-Anglada, Torres-Torronteras, Martí, Fried, Lutz, Maggiorini, Gassmann, Rogler, Vavricka: "Downregulation of duodenal SLC transporters and activation of proinflammatory signaling constitute the early response to high altitude in humans." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 307, Issue 7, pp. G673-88, (2014) ([PubMed](#)).

Wang, Liu, Wang, Bai, Zhang, Sun, Wang: "Involvement of serotonin mechanism in methamphetamine-induced chronic pulmonary toxicity in rats." in: **Human & experimental toxicology**, (2013) ([PubMed](#)).

Dong, Li, Zheng, Mu, Zhang, Liu: "A representative prescription for emotional disease, Ding-Zhi-Xiao-Wan restores 5-HT system deficit through interfering the synthesis and transshipment in chronic mild stress-induced depressive rats." in: **Journal of ethnopharmacology**, Vol. 150, Issue 3, pp. 1053-61, (2013) ([PubMed](#)).

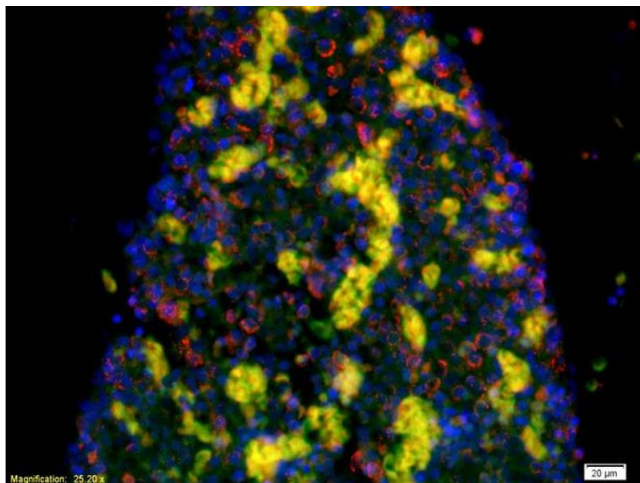
There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat spleen tissue labeled with Anti-5-HTT/SLC6A4 Polyclonal Antibody, Unconjugated (ABIN735983) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded mouse embryo labeled with Anti-5-HTT/SLC6A4 Polyclonal Antibody, Unconjugated (ABIN735983) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.