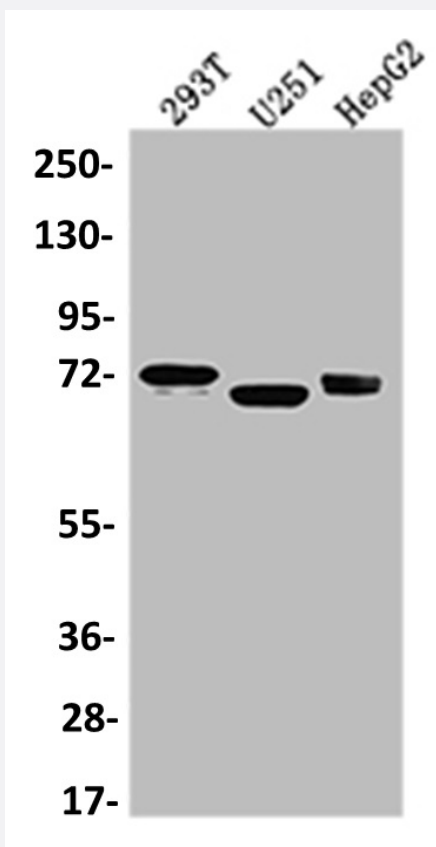


RecomAb™

SLC6A4 recombinant monoclonal antibody, clone 9G3

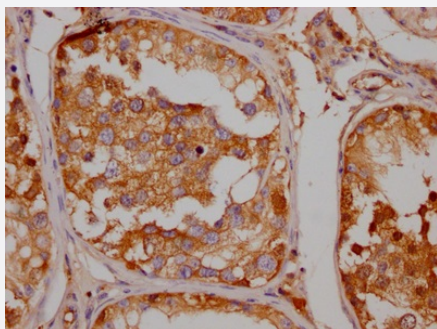
Catalog # RAB07404 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293T whole cell lysate, U251 whole cell lysate, HepG2 whole cell lysate with SLC6A4 recombinant monoclonal antibody, clone 9G3 (Cat # RAB07404).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human testis tissue using SLC6A4 recombinant monoclonal antibody, clone 9G3 (Cat # RAB07404) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SLC6A4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SLC6A4.
Theoretical MW (kDa)	Calculated MW: 71,75
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SLC6A4

Entrez GeneID [6532](#)

Protein Accession# [P31645](#)

Gene Name SLC6A4

Gene Alias 5-HTT, 5HTT, HTT, OCD1, SERT, hSERT

Gene Description solute carrier family 6 (neurotransmitter transporter, serotonin), member 4

Omim ID [164230](#) [182138](#) [607834](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, and depression-susceptibility in people experiencing emotional trauma. [provided by RefSeq]

Other Designations 5-hydroxytryptamine transporter|5HT transporter|Na⁺/Cl⁻ dependent serotonin transporter|serotonin transporter|sodium-dependent serotonin transporter|solute carrier family 6 member 4

Disease

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- [Acute Disease](#)
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- [Agoraphobia](#)
- [Akathisia](#)
- [Alcohol Withdrawal Delirium](#)
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- [Alcoholism](#)
- [Alcohol-Related Disorders](#)

- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
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- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
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- [Tourette Syndrome](#)
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- [Vomiting](#)
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- [Wounds and Injuries](#)