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Product datasheet for AP08320PU-N

Dopamine Transporter (SLC6A3) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1 µg/ml. **Immunohistochemistry on Paraffin Sections:** 20 µg/ml. **Western Blot:** 1 µg/ml.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to N-terminal residues of Human DAT (Sodium-dependent Dopamine Transporter).
Specificity:	This antibody recognizes SLC6A3/DAT1 (N-term).
Formulation:	PBS containing 0.01% Sodium Azide as preservative and 50% Glycerol as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier family 6 member 3
Database Link:	Entrez Gene 6531 Human Q01959

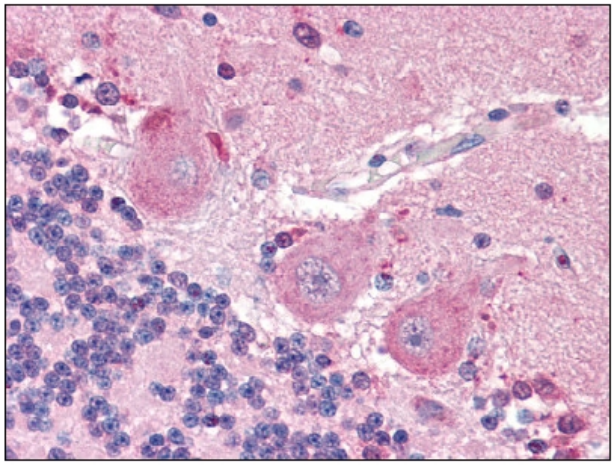
View online »

Background: Plasmalemmal neurotransmitter transporters sequester synaptic and peri synaptic transmitter into presynaptic elements. The Dopamine Transporter (DAT) is responsible for the reaccumulation of dopamine after it has been released. Levels of DAT protein expression are altered by chronic drug administration. The activity of the DAT reuptake carrier is sodium dependent, and it is suspected to play a role in such neurologic and psychiatric disorders as Parkinson's disease, Tourette's disease, schizophrenia, and addiction. It is a 12 transmembrane domain transporter with the N and C terminal regions located within the cytoplasm.

Synonyms: Sodium-dependent dopamine transporter, DA transporter, DAT1

Note: **Predicted Molecular Weight:** 68 kDa.

Product images:



Brain, cerebellum: Formalin-Fixed Paraffin Embedded (FFPE)