

Anti-Dopamine Transporter, Extracellular Loop 2 Antibody

Product Data Sheet · P/N 74088 Rev 01 · Reissued 2026-09-19 (layout only)

Product code	Pack size
P40006-100	100 µL
Host Species	Rabbit (Polyclonal)
Mr (kDa)	88

Description

The dopamine transporter (DAT) is responsible for the reaccumulation of dopamine after it has been released. DAT antibodies and antibodies for other markers of catecholamine biosynthesis are widely used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). Levels of DAT protein expression are altered by chronic drug administration (Wilson et al.1996).

Immunogen

Peptide from the extracellular loop 2 (EL2) region of human dopamine transporter (DAT), conjugated to keyhole limpet hemocyanin (KLH). was coupled.

Species Reactivity

The antibody has been tested in Western blots of SDS-solubilized human striatal samples and in IHC applications with formaldehyde- fixed human and monkey brain sections.

Physical State

Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol

Purification Method

Prepared from rabbit serum by affinity purification using a SulfoLink® column matrix to which the peptide

Recommended Antibody Dilutions

WB, IHC: 1:1000

Storage/Stability

Stable at -20 °C for at least 1 year.

For long term storage -20 °C is recommended

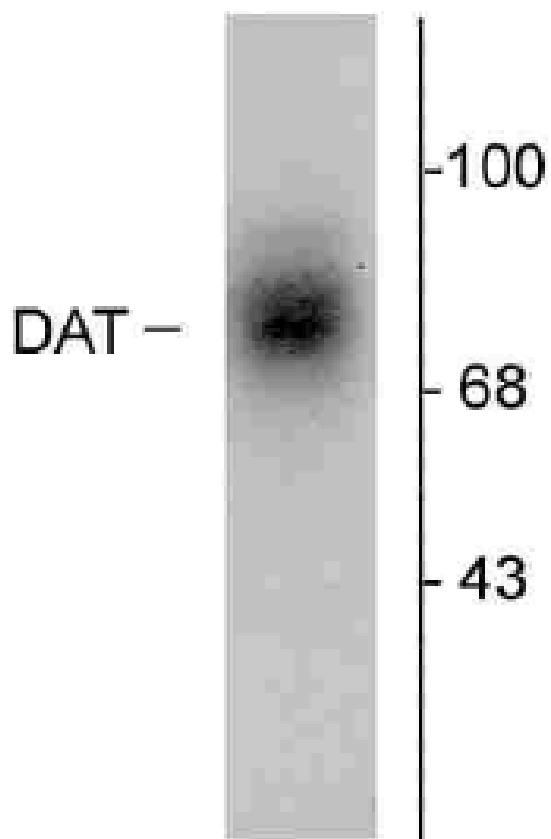
Shipping Conditions

Domestic: Blue Ice

International: Blue Ice or Dry Ice

References

- 1) Kish SJ et al. (2001) Neuropsychopharmacology 24:561-567.
- 2) Wilson JM et al. (1996) Nat Med 2:699-703.
- 3) Zhu MY et al. (1999) Biol Psychiatry 46:1275-1286.



Western Blot Human caudate lysate showing specific immunolabeling of the ~88k DAT protein.

For research use or further manufacturing only. Not for use in diagnostic procedures, or for human or animal consumption.