Anti-Dopamine Transporter, C-Terminus Antibody

Catalog #: 431-DATC  Size: 100 µl

<table>
<thead>
<tr>
<th>Host</th>
<th>Applications</th>
<th>Species Tested</th>
<th>Species Reactivity*</th>
<th>Molecular Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>WB 1:1000</td>
<td>H, M, NHP</td>
<td>~88 kDa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IHC 1:1000</td>
<td>(frozen sections)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product Description: Affinity purified rabbit polyclonal antibody.

Biological Significance: 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).

Antigen: Peptide from the intracellular C-terminus region of human dopamine transporter (DAT), conjugated to keyhole limpet hemocyanin (KLH).

Antibody Specificity: Specific for endogenous levels of the ~88 kDa DAT protein.

Purification Method: Prepared from pooled rabbit serum by affinity purification using a column matrix to which the peptide immunogen was coupled.

Quality Control Tests: Western blots performed on each lot.

Packaging: 100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg BSA per ml and 50% glycerol.

Storage and Stability: Shipped on blue ice. Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

Western blot of human striatal lysate showing specific immunolabeling of the ~88 kDa DAT protein.
Product Specific References:


General References:

