

## Dopamine Transporter/SLC6A3 Antibody

CAB15236

### Description

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This Dopamine Transporter/SLC6A3 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB15236  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Polyclonal Antibody  
**Synonyms:** DAT, DAT1, PKDYS, PKDYS1, Dopamine Transporter/SLC6A3  
**Clone:** -  
**Applications:** **WB** | **IHC-P** | **ELISA** | **IF-P**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 6531  
**Uniprot:** AB\_2762131  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 72kDa  
**Calculated MW:** 68kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** Rat brain

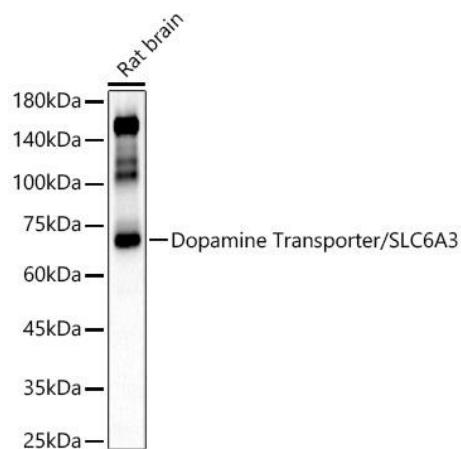
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:1000
<b>IF-P</b>	1:50 - 1:200
<b>IHC-P</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

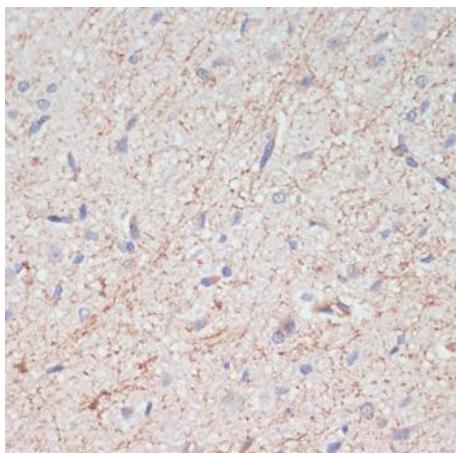
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

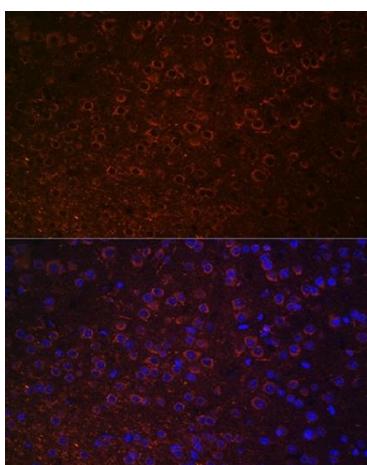
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Western blot analysis of lysates from Rat brain, using Dopamine Transporter/SLC6A3 Rabbit pAb (CAB15236) at 1:700 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Dopamine Transporter/SLC6A3 Rabbit pAb (CAB15236) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded mouse brain using Dopamine Transporter/SLC6A3 Rabbit pAb (CAB15236) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.