

# Product Datasheet

## Choline Acetyltransferase/ChAT Antibody (8E7) NBP3-26659-100ul

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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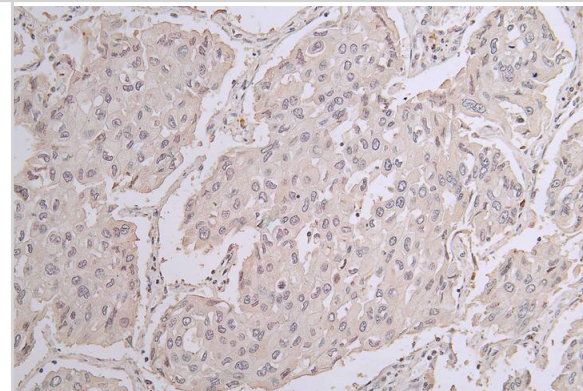


**NBP3-26659-100ul****Choline Acetyltransferase/ChAT Antibody (8E7)**

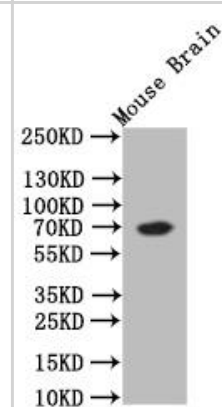
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20 to -70C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	8E7
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, pH 7.4, 150mM NaCl, and 50% glycerol
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1103
<b>Gene Symbol</b>	CHAT
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	A synthesized peptide derived from Human Choline Acetyltransferase/ChAT [UniProt P28329]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:200, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200

## Images

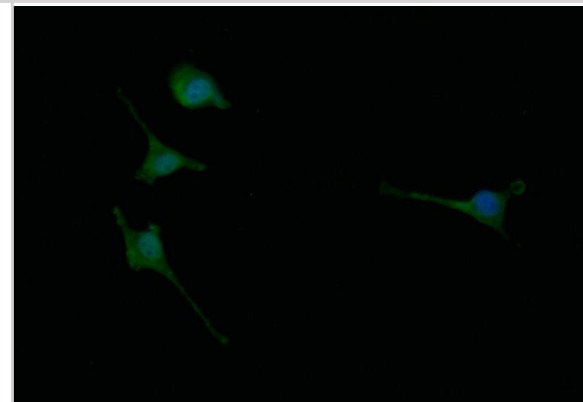
**Immunohistochemistry: Choline Acetyltransferase/ChAT Antibody (8E7) [NBP3-26659]** - Image of Choline Acetyltransferase/ChAT Antibody (8E7) diluted at 1:50 and staining in paraffin-embedded human lung cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in 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 polymer IgG labeled by HRP and visualized using 0.22% DAB.



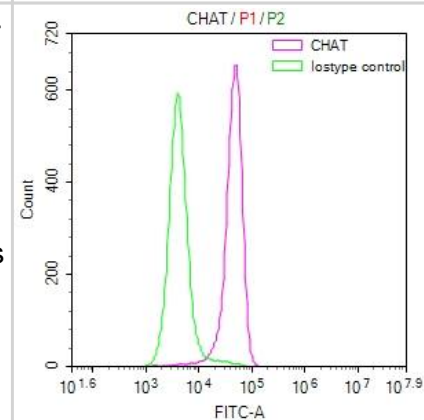
**Western Blot: Choline Acetyltransferase/ChAT Antibody (8E7) [NBP3-26659]** - Positive Western Blot detected in: Mouse Brain tissue lysate. All lanes: Choline Acetyltransferase/ChAT Antibody at 1: 500 Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 70 kDa Observed band size: 70 kDa



**Immunocytochemistry/Immunofluorescence: Choline Acetyltransferase/ChAT Antibody (8E7) [NBP3-26659]** - Staining of SH-SY5Y with Choline Acetyltransferase/ChAT Antibody (8E7) at 1:30, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was Alexa Fluor 498-conjugated Goat Anti-Rabbit IgG (H+L).



**Flow Cytometry: Choline Acetyltransferase/ChAT Antibody (8E7) [NBP3-26659]** - Overlay Peak curve showing SH-SY5Y cells stained with Choline Acetyltransferase/ChAT Antibody (8E7) (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% Triton X-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1\*10<sup>6</sup> cells) for 45min at 4C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4C. Control antibody (green line) was rabbit IgG (1ug/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.





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### Products Related to NBP3-26659-100ul

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001103-Q01-10ug	Recombinant Human Choline Acetyltransferase/ChAT GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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