

## Anti-CHAT Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

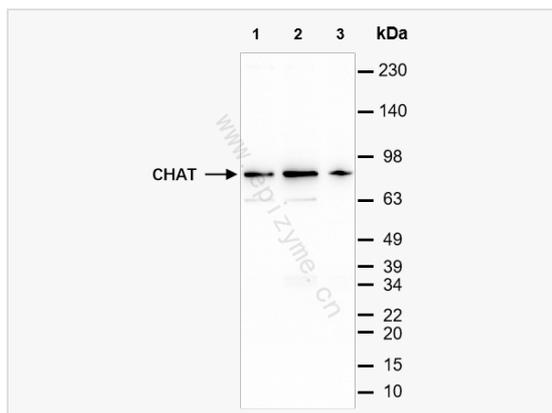
Catalog # R014306

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	45L83F03
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CHAT
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CHAT Rabbit mAb [45L83F03] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Acetyl CoA choline O acetyltransferase, Acetyl CoA:choline O acetyltransferase, ChAT, CHOACTase, Choline acetylase, choline acetyltransferase, Choline O acetyltransferase, Choline O-acetyltransferase, CLAT_HUMAN, CMS1A, CMS1A2, EC 2.3.1.6, OTTHUMP00000019583, OTTHUMP00000019584.
Calculated MW	Calculated MW: 83 kDa; Observed MW: 83 kDa
Uniprot ID	P28329
Gene ID	1103
Background	Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.



Western Blot - Anti-CHAT Rabbit mAb [45L83F03]

All lanes: R014306 at 1:1,000 dilution

Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates

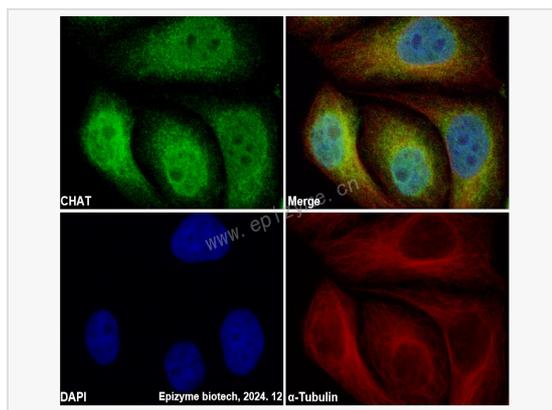
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 83 kDa

Observed band size: 83 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-CHAT Rabbit mAb [45L83F03]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014306 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).