

Mouse anti-Human Tau Oligomeric complex Antibody | anti-IgG2b antibody

Anti-Tau Oligomeric complex [TOC1], Mouse IgG2b

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72289	Mouse	Human	ELISA, Immunohistochemistry, Immunofluorescence, Western Blot

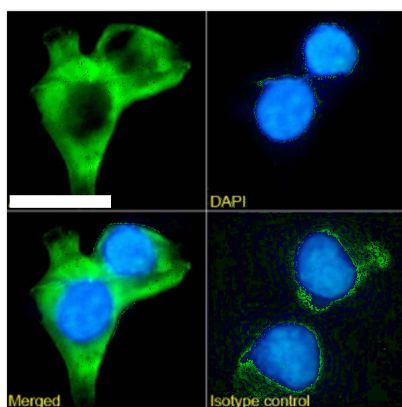
PRODUCT SYNONYMS

Tau Oligomeric complex; Anti-Tau Oligomeric complex [TOC1]; Mouse IgG2b; TOC-1; anti-IgG2b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	Mouse IgG2b, Kappa
Clone Number	TOC1
Specificity	This antibody is specific for amino acids 209-224 of the Tau Oligomeric complex.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IgG2b antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	The original antibody was generated by immunizing a mouse with electro eluted cross-linked Tau dimers.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of Kelly cells with anti-Tau Oligomeric complex (AAA72289) TOC1. Immunofluorescence analysis of paraformaldehyde fixed Kelly cells stained with the chimeric rabbit IgG version of TOC1 (AAA72289-23.0) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72289-23.0, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-Tau Oligomeric complex antibody TOC1 (AAA72289). Kelly(A) (0.5ug/ml) and U251(B) (0.5ug/ml) cells lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of TOC1 (AAA72289-23.0) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-IgG2b antibody	Western blot was performed on recombinant Tau and human brain homogenate using this antibody (US8697076). This antibody was used for immunogold labeling on aggregated tau samples (US8697076) (Ward et al, 2013; pmid:23979027). Tissue from the entorhinal cortex and the hippocampus of Alzheimer's patients was used for immunohistochemistry using this antibody (US8697076). Tissue from the entorhinal cortex and the hippocampus of Alzheimer's patients was used for immunofluorescence with this antibody (US8697076). Western blot was performed on different deletion mutants of the Tau protein using this antibody (Ward et al, 2013; pmid:23979027). Immunohistochemistry was performed on tissue sections of severe AD, CBD, and PSP cases from the entorhinal cortex using this antibody (Ward et al, 2013; pmid:23979027). M1C cells were used for immunocytochemistry using this antibody (Shirafuji et al, 2018; pmid:29562600). Proteins from M1C cells were blotted with this antibody (Shirafuji et al, 2018; pmid:29562600). ELISA was performed on S1 fractions from a 9 month old murine PS19 cortex using this antibody (Apicco et al, 2017; pmid:29273772).
Product Categories/Family for anti-IgG2b antibody	Alzheimers; brain
References	Ward et al. TOC1: characterization of a selective oligomeric tau antibody. J Alzheimers Dis. 2013;37(3):593-602. PMID:2.40E+07

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-igg2b-human-antibody/tau-oligomeric-complex/72289>