DATASHEET

MAP2 Mouse Monoclonal Antibody(C3661)

CAT. NO. AMA03273

KEY FEATURES

Target	MAP2	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Supplied in crude ascites with 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200
IF/ICC	1:10 - 1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to MAP2
Specificity	Recognizes endogenous levels of MAP2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MAP2. The exact sequence is proprietary.
Molecular Weight	Predicted: 199 kD; Observed: 56 kD
Form/Buffer	Mouse IgG1 kappa. Supplied in crude ascites with 0.01% sodium azide.
Alternative Names	Microtubule-associated protein 2; MAP-2
Gene Symbol	MAP2
Entrez Gene	4133(Human)
SwissProt	P11137(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

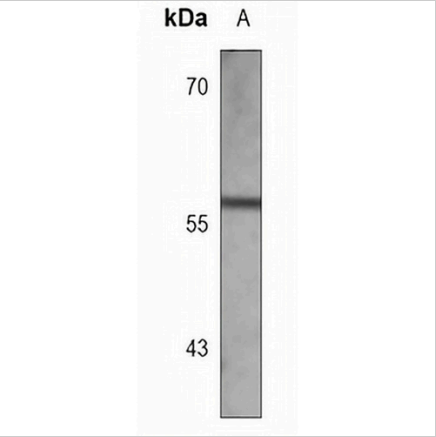
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

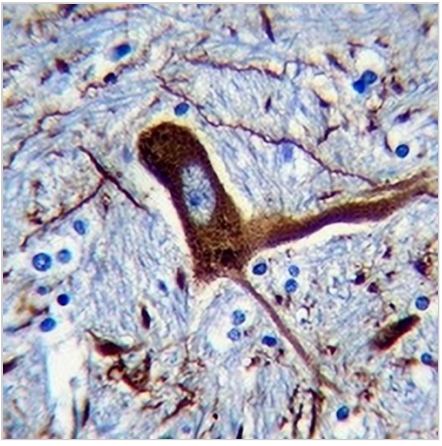
MAP2 Mouse Monoclonal Antibody(C3661)

CAT. NO. AMA03273

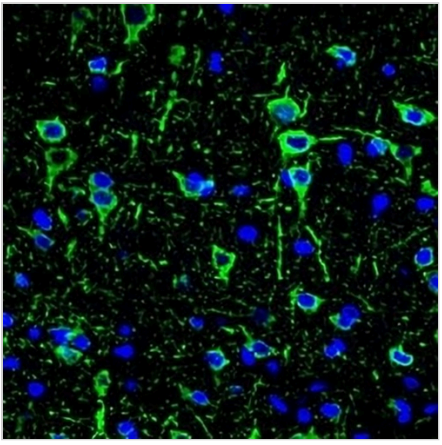
DATA



Western blot analysis of MAP2 expression in MCF7 (A) whole cell lysates. (Predicted band size: 199 kD; Observed band size: 56 kD)



Immunohistochemical analysis of MAP2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MAP2 staining in brain tissue cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.