

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MAP2 in direct ELISAs.
Source	Monoclonal Mouse IgG ₃ Clone # 885232
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MAP2 Gly1689-Lys1824 Accession # P11137
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MAP2 (Microtubule-associated protein 2) is a 1827 amino acid (aa) cytoskeletal associated protein. Human MAP2 shares 84% and 79% aa identity with mouse and rat MAP2, respectively. Multiple splice forms exist, resulting in 4 distinct isoforms. MAP2 functions in microtubule polymerization and stabilization in both normal and malignant cell types. It has been demonstrated to play a critical role in neurite outgrowth and loss of MAP2 function in neurons may lead to neural degeneration.

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