

Product datasheet

Anti-MAP4 antibody ab94401

Overview

Product name	Anti-MAP4 antibody
Description	Rabbit polyclonal to MAP4
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Mouse, Human ▲
Immunogen	Synthetic peptide corresponding to C terminal residues of MAP4 (Human)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Purification notes	Purity >90%
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab94401** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 121 kDa. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.
ELISA		1/2000 - 1/5000.

Target

Function	Non-neuronal microtubule-associated protein. Promotes microtubule assembly.
Sequence similarities	Contains 4 Tau/MAP repeats.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR (By similarity). Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338.
Cellular localization	Cytoplasm > cytoskeleton.

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