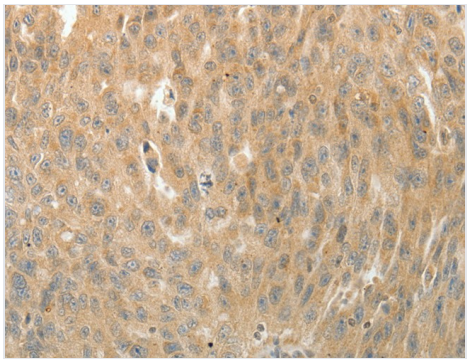
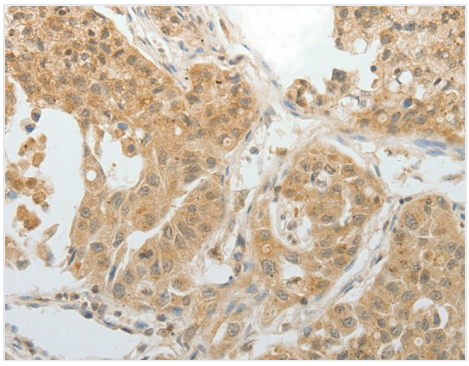
MAP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAP4, Polyclonal Antibody
Full Product Name	MAP4 Polyclonal Antibody
Product Gene Name	anti-MAP4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	0.4mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	10,441 Da
OMIM	157132
Immunogen	Recombinant protein of human MAP4
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-MAP4 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAP4 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-MAP4 antibody	IHC: 1:15-1:50
Related Product Information for anti-MAP4 antibody	The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-MAP4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAP4 purchase	MBS2525169 is an antibody targeting MAP4. Also known as MAP4 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-MAP4 antibody
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using MAP4 Polyclonal Antibody at dilution of 1:10



Immunohistochemistry (IHC) of anti-MAP4 antibody
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using MAP4 Polyclonal Antibody at dilution of 1:10

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP4. It may not necessarily be applicable to this product.

NCBI GI #	116283359
NCBI GeneID	4134
NCBI Accession #	AAH19229.1
UniProt Secondary Accession #	Q13082; Q59FT2; Q68D74; Q6ZUW9; Q86V26; Q96A76; Q96NS9
UniProt Related Accession #	P27816
NCBI Official Full Name	MAP4 protein, partial
NCBI Official Synonym Full Names	microtubule-associated protein 4
NCBI Official Symbol	MAP4
UniProt Protein Name	Microtubule-associated protein 4
Protein Family	Microtubule-associated protein
UniProt Gene Name	MAP4
UniProt Synonym Gene Names	MAP-4
UniProt Entry Name	MAP4_HUMAN
NCBI Protein Information	microtubule-associated protein 4; MAP-4
UniProt Comments for MAP4	MAP4: a microtuble-associated protein detected predominately in nonneuronal cells. May play a role in microtubule stabilization as well as promoting microtubule assembly. Four alternatively spliced variants have been described. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 3p21 Cellular Component: microtubule cytoskeleton; microtubule; microtubule associated complex; cytoplasm; plasma membrane Molecular Function: protein binding; microtubule binding; structural molecule activity Biological Process: mitotic spindle organization and biogenesis; cell division; microtubule sliding; establishment of spindle orientation
Research Articles on MAP4	**1.** Data show that cAMP/alpha isoform of the catalytic subunit of human PKA (PKAc-alpha) signaling can disrupt microtubule (MT) cytoskeleton by the phosphorylation of microtubule-Associated Protein 4 (MAP4).

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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