

Rabbit MAP4 Polyclonal Antibody | anti-MAP4 antibody

Phospho-MAP4 (Ser696) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329667	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)	ELISA, Immunohistochemistry, Western Blot

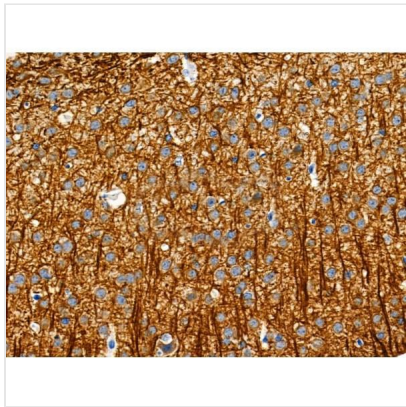
PRODUCT SYNONYMS

MAP4; Polyclonal Antibody; Phospho-MAP4 (Ser696) Antibody; DKFZp779A1753; MAP-4; MAP4_HUMAN; MGC8617; Microtubule associated protein 4; Microtubule-associated protein 4; OTTHUMP00000210723; OTTHUMP00000210725; OTTHUMP00000210727; OTTHUMP00000210730; anti-MAP4 antibody

PRODUCT SPECIFICATIONS

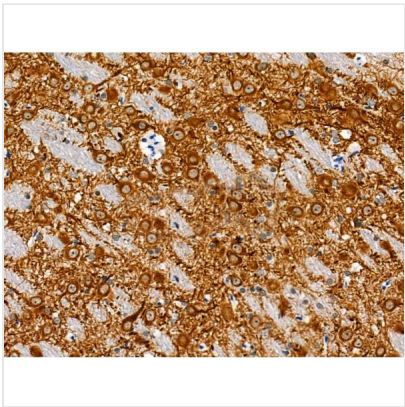
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-MAP4 (Ser696) Antibody detects endogenous levels of MAP4 only when phosphorylated at Ser696.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MAP4 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAP4 around the phosphorylation site of Ser696.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated at serine residues in K-X-G-S motifs by MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), causing detachment from microtubules, and their disassembly (By similarity). Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338.
Subunit Structure	Interacts with SEPTIN2; this interaction impedes tubulin-binding. Interacts with TRAF3IP1 (By similarity).
Subcellular Location	Cytoplasm>Cytoskeleton.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



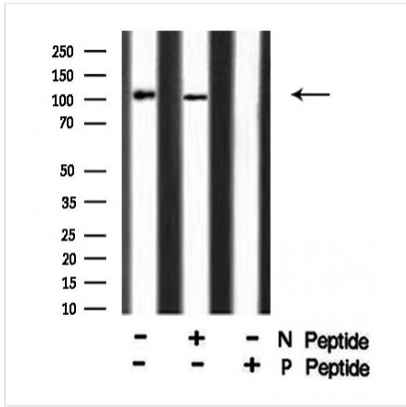
IHC (Immunohistochemisry)

At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

Staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MAP4 (Phospho-Ser696) using LOVO whole cell lysates.-/+ means absence or presence of N peptide1/4non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP4 antibody	Non-neuronal microtubule-associated protein. Promotes microtubule assembly.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47519639
NCBI GeneID	4134
NCBI Accession #	NP_002366.2
NCBI GenBank Nucleotide #	NM_002375.4
UniProt Accession #	P27816; Q13082; Q59FT2; Q68D74; Q6ZUW9; Q96A76; Q96NS9; Q05D06; Q6NX68; Q7Z4R3; Q86V26; Q86Y04; Q8NDS5
Molecular Weight	121,005 Da
NCBI Official Full Name	microtubule-associated protein 4 isoform 1
NCBI Official Synonym Full Names	microtubule-associated protein 4
NCBI Official Symbol	MAP4

NCBI Official Synonym Symbols	MGC8617; DKFZp779A1753
NCBI Protein Information	microtubule-associated protein 4; MAP-4; OTTHUMP00000210722; OTTHUMP00000210723; OTTHUMP00000210725; OTTHUMP00000210726; OTTHUMP00000210727
UniProt Protein Name	Microtubule-associated protein 4
UniProt Gene Name	MAP4
UniProt Entry Name	MAP4_HUMAN

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/polyclonal/map4-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329667>