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Rabbit Anti-MAP4 antibody

SL4128R

Product Name:	MAP4
Chinese Name:	微管相关蛋白4抗体
Alias:	DKFZp779A1753; MAP-4; MAP4; MAP4_HUMAN; MGC8617; Microtubule associated protein 4; Microtubule-associated protein 4; OTTHUMP00000210723; OTTHUMP00000210725; OTTHUMP00000210727; OTTHUMP00000210730.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	121kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAP4:701-800/1152
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The MAP4 (Microtubule associated protein 4)is a non neuronal microtubule associated protein. It promotes microtubule assembly.The phosphorylation of the Pro rich region in the C-terminus negatively regulates MAP4 activity to promote microtubule assembly. **Function:**

Non-neuronal microtubule-associated protein. Promotes microtubule assembly.

Subunit:
Interacts with SEPT2; this interaction impedes tubulin-binding.

Subcellular Location:
Cytoplasm, cytoskeleton.

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.

Similarity:
Contains 4 Tau/MAP repeats.

SWISS:
P27816

Gene ID:
4134

Database links:

Entrez Gene: 4134Human

Entrez Gene: 17758Mouse

Entrez Gene: 367171Rat

Omim: 157132Human

SwissProt: P27816Human

SwissProt: P27546Mouse

SwissProt: Q5M7W5Rat

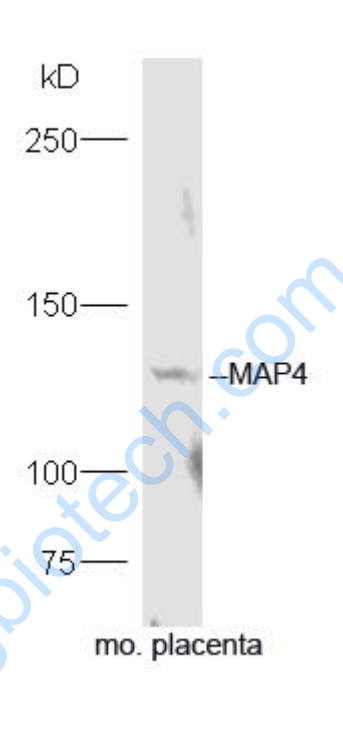
Unigene: 517949Human

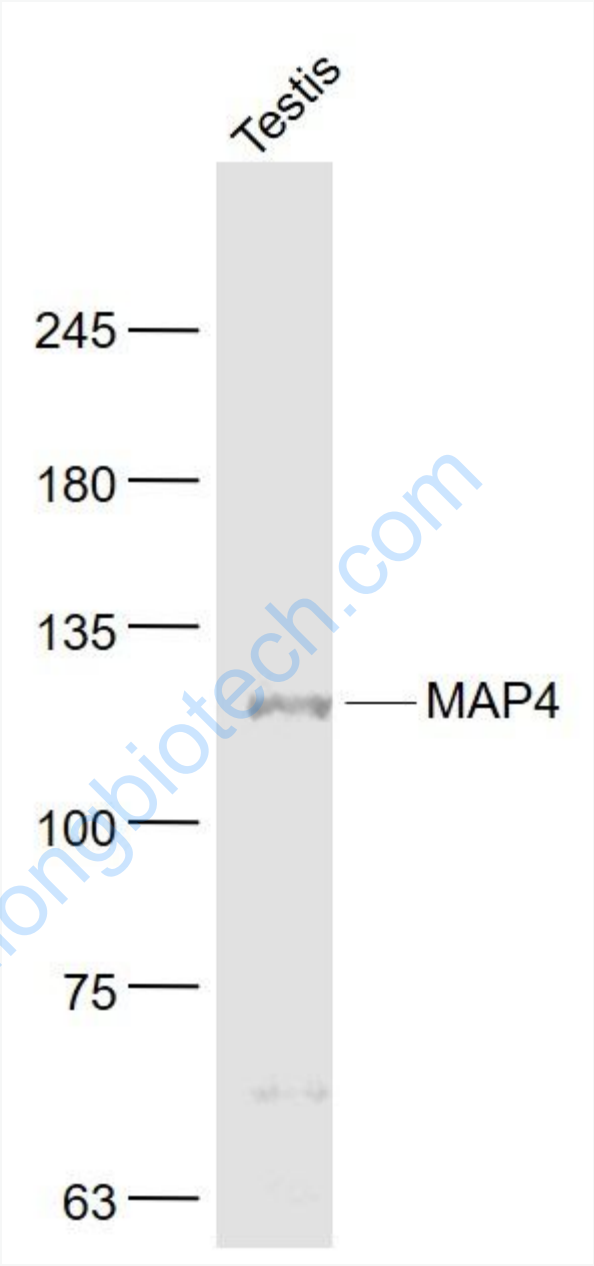
Unigene: 217318Mouse

Unigene: 443428Mouse

Unigene: 484451Mouse

Unigene: 203122Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Placenta (Mouse) Lysate at 40 ug Primary: Anti- MAP4 (SL4128R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL4128R) at 1/5000 dilution Predicted band size: 121 kD Observed band size: 121 kD



Sample:

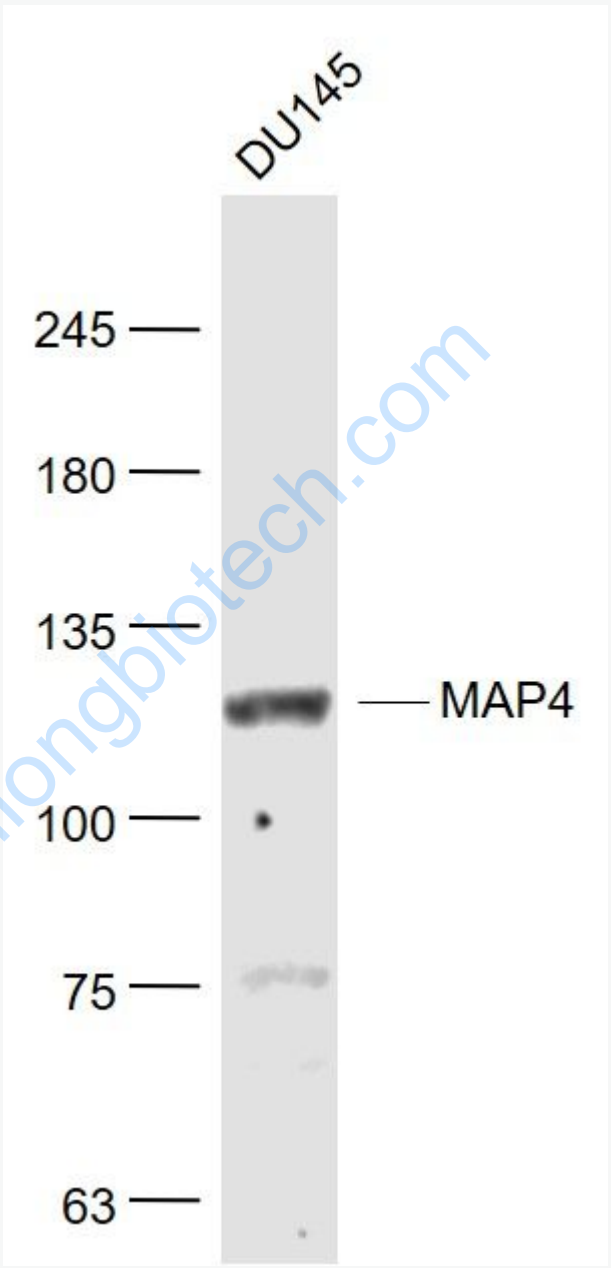
Testis (Mouse) Lysate at 40 ug

Primary: Anti- MAP4 (SL4128R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 121 kD

Observed band size: 121 kD



Sample:

DU145(Human) Cell Lysate at 30 ug

Primary: Anti- MAP4 (SL4128R) at 1/1000 dilution

	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 121 kD Observed band size: 121 kD