



MARK1/2/3/4 (phospho Thr215) Polyclonal Antibody

Catalog No	YP-Ab-14533
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	MARK1/2/3/4
Immunogen	The antiserum was produced against synthesized peptide derived from human MARK1/2/3/4 around the phosphorylation site of Thr215. AA range:181-230
Specificity	Phospho-MARK1/2/3/4 (T215) Polyclonal Antibody detects endogenous levels of MARK1/2/3/4 protein only when phosphorylated at T215.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Par1c;PAR1 homolog c;MARK;MAP/microtubule affinity-regulating kinase 1; MARK1/2/3/4;Serine/threonine-protein kinase MARK1/2/3/4;MARK1;KIAA1477; Serine/threonine-protein kinase MARK1;Par-1c;MARK2;EMK1;Serine/threonine-protein kinase MARK2;ELKL motif kinase 1;EMK-1;MAP/microtubule affi
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Peripheral membrane protein . Cytoplasm, cytoskeleton . Cytoplasm . Cell projection, dendrite . Appears to localize to an intracellular network. .
Tissue Specificity	Highly expressed in heart, skeletal muscle, brain, fetal brain and fetal kidney.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-215 by STK11 in complex with STE20-related adapter-alpha (STRAD alpha) pseudo kinase and CAB39.,function:May play a role in cytoskeletal stability., similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily.,similarity:Contains 1 KA1 (kinase-associated) domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA



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and fetal kidney.,

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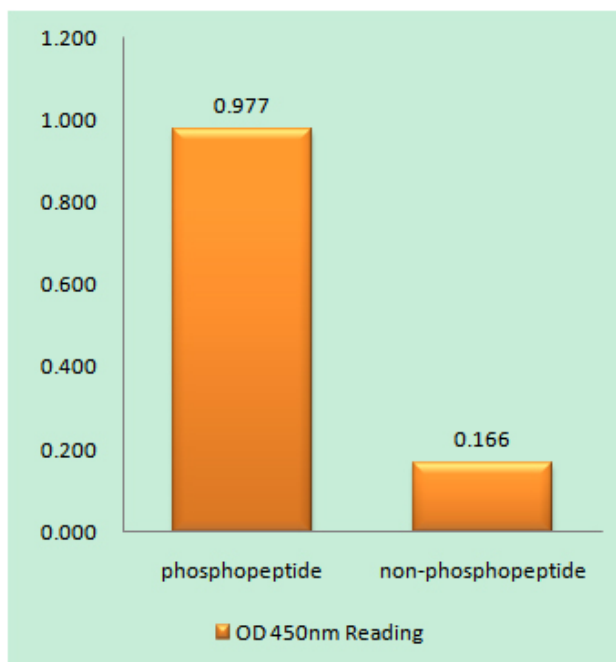
matters needing attention

Avoid repeated freezing and thawing!

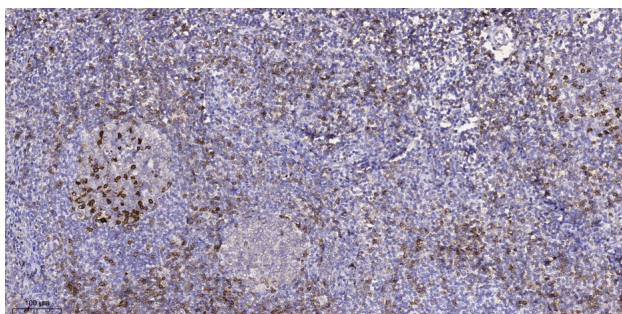
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MARK1/2/3/4 (Phospho-Thr215) Antibody



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).