

Datasheet for ABIN6281391
anti-MARK1/2/3/4 antibody (AA 150-230)



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Overview

Quantity:	50 µL
Target:	MARK1/2/3/4
Binding Specificity:	AA 150-230
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MARK1/2/3/4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	<p>MARK1/2/3/4 is a protein encoded by the MARK1 gene which is approximately 89 kDa. MARK1/2/3/4 is localised to the cell membrane and cytoplasm. It is involved in cytoplasm signalling and glucose/energy metabolism. It plays a role in cell polarity by phosphorylating the microtubule-associated proteins MAP2, MAP4 and MAPT/TAU at KXGS motifs, causing detachment from microtubules, and their disassembly. MARK1/2/3/4 is highly expressed in the heart, skeletal muscle, brain and foetal kidney. Mutations in the MARK1 gene may result in Alzheimer disease. STJ94015 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of MARK1/2/3/4 protein.</p>
Immunogen:	Synthesized peptide derived from human MARK1/2/3/4 around the non-phosphorylation site of T215.

Product Details

Isotype:	IgG
Specificity:	MARK1/2/3/4 Polyclonal Antibody detects endogenous levels of MARK1/2/3/4 protein.
Characteristics:	Rabbit polyclonal to MARK1/2/3/4.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	MARK1/2/3/4
Alternative Name:	MARK1/2/3/4 (MARK1/2/3/4 Products)
Molecular Weight:	89 kDa
Gene ID:	4139
UniProt:	Q9P0L2

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:10000
Comment:	Highly expressed in heart, skeletal muscle, brain, fetal brain and fetal kidney.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.