

Immunotag™ MRCKbeta Antibody

Antibody Specification	
Catalog No.	ITA2158
Product Description	Immunotag™ MRCKbeta Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MRCKbeta
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:1000 IHC 1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MRCKbeta
Specificity	MRCKbeta Antibody detects endogenous levels of total MRCKbeta
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	CDC42BPB
Accession No.	Q9Y5S2
Alternate Names	CDC42 binding protein kinase beta; CDC42-binding protein kinase beta; CDC42BPB; DMPK like beta; DMPK-like beta; KIAA1124; MRCK beta; MRCKB_HUMAN; Myotonic dystrophy kinase related CDC42 binding kinase beta; Myotonic dystrophy kinase-related CDC42-binding kinase beta; Myotonic dystrophy protein kinase like beta; Myotonic dystrophy protein kinase-like beta; Serine/threonine protein kinase MRCK beta; Serine/threonine-protein kinase MRCK beta;

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Description	Serine/threonine-protein kinase which is an important downstream effector of CDC42 and plays a role in the regulation of cytoskeleton reorganization and cell migration. Regulates actin cytoskeletal reorganization via phosphorylation of PPP1R12C and MYL9/MLC2 (PubMed:21457715, PubMed:21949762). In concert with MYO18A and LURAP1, is involved in modulating lamellar actomyosin retrograde flow that is crucial to cell protrusion and migration (PubMed:18854160). Phosphorylates PPP1R12A (PubMed:21457715). In concert with FAM89B/LRAP25 mediates the targeting of LIMK1 to the lamellipodium resulting in its activation and subsequent phosphorylation of CFL1 which is important for lamellipodial F-actin regulation (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	194kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.