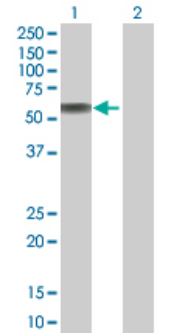
PKMYT1 293T Cell Transient Overexpression Lysate(Denatured)

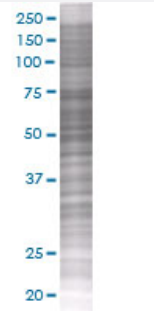
Catalog # H00009088-T01 Size 100 uL

Applications



Western Blot

Lane 1: PKMYT1 transfected lysate (54.5 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

PKMYT1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PKMYT1 full-length
Host	Human
Theoretical MW (kDa)	55
Interspecies Antigen Sequence	Mouse (89); Rat (89)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PKMYT1 antibody (H00009088-B01) by W estern Blots. Western Blot Lane 1: PKMYT1 transfected lysate (54.5 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel PKMYT1 transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PKMYT1

Entrez GeneID	9088
GeneBank Accession#	NM_004203
Protein Accession#	NP_004194
Gene Name	PKMYT1
Gene Alias	DKFZp547K1610, FLJ20093, MYT1
Gene Description	protein kinase, membrane associated tyrosine/threonine 1
Omim ID	602474
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and inactivates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/M transition. This kinase is associated with the membrane throu ghout the cell cycle. Its activity is highly regulated during the cell cycle. Protein kinases AKT1/PKB and PLK (Polo-like kinase) have been shown to phosphorylate and regulate the activity of this kin ase. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provi ded by RefSeq
Other Designations	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase|protein kinase Myt1

Pathway

- Cell cycle