

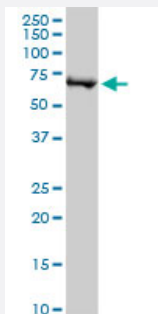
MaxPab®

PKMYT1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00009088-D01

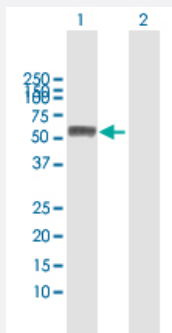
Size 100 uL

Applications



Western Blot (Tissue lysate)

PKMYT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKMYT1 expression in human placenta.

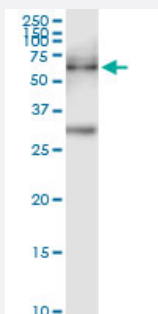


Western Blot (Transfected lysate)

Western Blot analysis of PKMYT1 expression in transfected 293T cell line ([H00009088-T01](#)) by PKMYT1 MaxPab polyclonal antibody.

Lane 1: PKMYT1 transfected lysate(54.5 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PKMYT1 transfected lysate using anti-PKMYT1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PKMYT1 purified MaxPab mouse polyclonal antibody (B01P) ([H00009088-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PKMYT1 protein.

Immunogen	PKMYT1 (NP_004194.3, 1 a.a. ~ 499 a.a) full-length human protein.
Sequence	MLERPPALAMPMPTEGTPPPLSGTPIVPAYFRHAEPGFSLKRPRGLSRSLPPPPPAKGSIPISRL FPPRTPGWHQLQPRRVSFGEASETLQSPGYDPSRPESFFQQSFQRLSRLGHGSYGEVFKVRS KEDGRLYAVKRSMSPFRGPKDRARKLAEVGSHEKVGQHPCCVRLEQAWEEGGILYLQTELCGP SLQQHCEAWGASLPEAQVWGYLRDTHLALHLHSQGLVHLDVKPANIFLGPRGRCKLGDFGLLV ELGTAGAGEVQEGDPRYMAPELLQGSYGTAADVFSGLTILEVACNMELPHGGEGWQQLRQGYL PPEFTAGLSSELRSVLVMMLEPDPKLRATAEALLALPVLQRPAWGVLCMAAEALSRGWALW QALLALLCWLWHGLAHPASWLQPLGPPATPPGSPPCSLLDSSLSSNWDDDSLGPSSLSPEAVL ARTVGSTSTPRSRCTPRDALDLSINSEPPRGSFPSFEPRNLLSLFEDTLDPT
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PKMYT1 MaxPab rabbit polyclonal antibody. Western Blot analysis of PKMYT1 expression in human placenta.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PKMYT1 expression in transfected 293T cell line ([H00009088-T01](#)) by PKMYT1 MaxPab polyclonal antibody.

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- Immunoprecipitation

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[Protocol Download](#)

Gene Info — PKMYT1

Entrez GeneID	9088
GeneBank Accession#	NM_004203.3
Protein Accession#	NP_004194.3
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 throughout 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 kinase. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Other Designations	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase protein kinase Myt1

Publication Reference

- [PKMYT1 regulates the proliferation and epithelial-mesenchymal transition of oral squamous cell carcinoma cells by targeting CCNA2.](#)

Ye Cai, Weidong Yang.

Oncology Letters 2022 Feb; 23(2):63.

Application: Co-IP, Human, SCC-9 cells

Pathway

- [Cell cycle](#)