Immunotag™ Phospho-Myt1 (Ser83) Antibody

Antibody Specification

Catalog No.	ITA0697
Product Description	Immunotag™ Phospho-Myt1 (Ser83) 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	Phospho-Myt1 (Ser83)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Myt1 around the phosphorylation site of Ser83.
Specificity	Phospho-Myt1 (Ser83) Antibody detects endogenous levels of Myt1.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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	PKMYT1
Accession No.	Q99640
Alternate Names	cdc2 inhibitory kinase; DKFZp547K1610; FLJ20093; Membrane associated tyrosine and threonine specific cdc2 inhibitory kinase; Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; MYT1; Myt1 kinase; PKMYT 1; Pkmyt1; PMYT1_HUMAN; PPP1R126; Protein kinase membrane associated tyrosine/threonine 1; Protein kinase Myt1; Protein phosphatase 1 regulatory subunit 126;

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Description	Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	70kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.