Immunotag™ Phospho-MCM3 (Ser112) Antibody

Antibody Specification

Catalog No.	ITA0690
Product Description	Immunotag™ Phospho-MCM3 (Ser112) 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-MCM3 (Ser112)
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,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MCM3 around the phosphorylation site of Ser112.
Specificity	Phospho-MCM3 (Ser112) Antibody detects endogenous levels of MCM3.
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	MCM3
Accession No.	P25205

Antibody Specification

Alternate Names	Cervical cancer proto oncogene 5; DNA polymerase alpha holoenzyme associated P1; DNA polymerase alpha holoenzyme associated protein P1; DNA polymerase alpha holoenzyme-associated protein P1; DNA replication factor MCM3; DNA replication licensing factor mcm3; HCC 5; HCC5; hRlf beta subunit; Human cervical cancer proto oncogene 5; MCM 3; mcm3; MCM3 minichromosome maintenance deficient 3; MCM3_HUMAN; MGC1157; Minichromosome maintenance complex component 3; Minichromosome maintenance deficient 3; Minichromosome maintenance protein 3; P1 h; P1 MCM3; P1 Protein; P1-MCM3; P1.h; p102; P102 protein; Replication licensing factor beta subunit; RLF beta subunit; RLF subunit beta; RLFB;
Description	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	100kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.