Immunotag™ Phospho-Lamin A/C (Ser392) Antibody

Antibody Specification

Catalog No.	ITA0828
Product Description	Immunotag™ Phospho-Lamin A/C (Ser392) 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-Lamin A/C (Ser392)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:1000 IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Lamin A/C around the phosphorylation site of Serine 392
Specificity	Phospho-Lamin A/C (Ser392) Antibody detects endogenous levels of Lamin A/C only when phosphorylated at Serine 392
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	LMNA
Accession No.	P02545

Antibody Specification

Alternate Names	70 kDa lamin; Cardiomyopathy dilated 1A (autosomal dominant); CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; Lamin A; Lamin A/C; Lamin A/C like 1; Lamin; Lamin C; Lamin-A/C; LDP1; LFP; LGMD1B; Limb girdle muscular dystrophy 1B (autosomal dominant); LMN 1; LMN A; LMN C; LMN1; LMNA; LMNA_HUMAN; LMNC; LMNL1; Prelamin A/C; PRO1; Renal carcinoma antigen NY REN 32; Renal carcinoma antigen NY-REN-32; Renal carcinoma antigen NYREN32;
Description	Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Lamin A and C are present in equal amounts in the lamina of mammals. Plays an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics. Required for normal development of peripheral nervous system and skeletal muscle and for muscle satellite cell proliferation (PubMed:10080180, PubMed:22431096, PubMed:10814726, PubMed:11799477, PubMed:18551513). Required for osteoblastogenesis and bone formation (PubMed:12075506, PubMed:15317753, PubMed:18611980). Also prevents fat infiltration of muscle and bone marrow, helping to maintain the volume and strength of skeletal muscle and bone (PubMed:10587585). Required for cardiac homeostasis (PubMed:10580070, PubMed:12927431, PubMed:18611980, PubMed:23666920).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	74,65kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.