

Immunotag™ Phospho-Cyclin D3 (Thr283) Antibody

Antibody Specification	
Catalog No.	ITA1022
Product Description	Immunotag™ Phospho-Cyclin D3 (Thr283) 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-Cyclin D3 (Thr283)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, 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 Cyclin D3 around the phosphorylation site of Threonine 283
Specificity	Phospho-Cyclin D3 (Thr283) Antibody detects endogenous levels of Cyclin D3 only when phosphorylated at Threonine 283
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	CCND3
Accession No.	P30281
Alternate Names	CCND 3; Ccnd3; CCND3_HUMAN; CyclinD3; D3 type cyclin; G1 S specific cyclin D3; G1/S specific cyclin D3; G1/S-specific cyclin-D3;

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Description	<p>Regulatory component of the cyclin D3-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G1/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G1 phase. Hypophosphorylates RB1 in early G1 phase. Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.</p>
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	31kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.