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Product Data Sheet

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Purified anti-Cyclin E

Catalog # / Size:	630701 / 125 μl (5 Western blots) 630702 / 500 μl (20 Western blots)
Clone:	Poly6307
Isotype:	Rabbit IgG
Immunogen:	Peptide-KLH (GVLTPPHSSKKQSSEQETE)
Reactivity:	Human, Mouse, Rat
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin at 200 μ g/ml.
Storage:	The antibody solution should be stored undiluted at 4°C.

Applications:

Applications:	WB - Quality tested IHC - Validated IP - Reported in the literature		2
Recommended Usage:	Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 1:100~400 ml antibody dilution buffer for each mini-gel. For IHC, use a 1:100 dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.		
Application References:	: 1. Song SY, et al. 2005. Int J Mol Med. 16:517. 2. Chen CY, et al. 2012. Hum Mol Genet. 21:4270. PubMed.		
Description:	This rabbit polyclonal antibody recognizes human, mouse, and rat cyclin E also known as Cyclin E1, CCNE, G1/S specific cyclin E1. Cycline E is a nucleus protein, predicted molecular weight 47 kD. Cycline E belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cycline E forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Cyclin E is essential for the control of the cell cycle at the G1/S transition. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. The poly6307 antibody has been shown to be useful for Western blotting, Immunoprecipitation, and Immunohistochemistry.		
Antigen References:	 Koff A, et al. 1991. Cell 66:1217. Mumberg D, et al. 1997.Nucl. Acids Res. 25:2098. Prall OW, et al. 1997. J. Biol. Chem. 272(16):10882. 		hu Wi ali Su
Related Products	: Product HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Clone Poly4064	Application cc ELISA, IHC, M WB



IH 3T3 cell extract was resolved by ectrophoresis, transferred to trocellulose, and probed with rabbit nti-Cyclin E antibody. Proteins were sualized using a donkey anti-rabbit econdary conjugated to HRP and a nemiluminescence detection system



ormalin-fixed paraffin-embedded uman placenta tissue was stained ith Poly6307 and developed with an kaline phosphatase chromogen ubstate (red color). Tissue was ounterstained with H&E (blue/pink). agnification, 40X.



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BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587