

产品名称: BUB1 Rabbit Polyclonal Antibody
产品货号: APRab07693



产品概述 (Summary)

产品名称 (Production Name)	BUB1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BUB1
别名 (Alternative Names)	BUB1; BUB1L; Mitotic checkpoint serine/threonine-protein kinase BUB1; hBUB1; BUB1A
基因 ID (Gene ID)	699.0
蛋白 ID (SwissProt ID)	O43683.The antiserum was produced against synthesized peptide derived from human BUB1. AA range:781-830

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	120kDa

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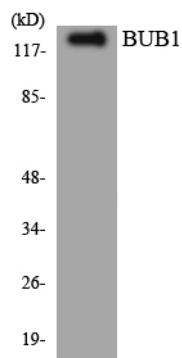
研究背景 (Background)

This gene encodes a serine/threonine-protein kinase that play a central role in mitosis. The encoded protein functions in part by phosphorylating members of the mitotic checkpoint complex and activating the spindle checkpoint. This protein also plays a role in inhibiting the activation of the anaphase promoting complex/cyclosome. This protein may also function in the DNA damage response. Mutations in this gene have been associated with aneuploidy and several forms of cancer. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013], catalytic activity: ATP + a protein = ADP + a phosphoprotein., disease: Defects in BUB1 are associated with tumor formation., domain: CD1 domain directs kinetochore localization and binding to BUB3., enzyme regulation: Autophosphorylated when the cells enters mitosis., function: Involved in cell cycle checkpoint enforcement. Can interact and phosphorylate BUB3., induction: Inhibited by phorbol 12-myristate 13-acetate (PMA)., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. BUB1 subfamily., similarity: Contains 1 CD1 domain., similarity: Contains 1 protein kinase domain., subcellular location: Nuclear in interphase cells. Kinetochore localization is required for normal mitotic timing and checkpoint response to spindle damage., tissue specificity: High expression in testis and thymus, less in colon, spleen, lung and small intestine. Expressed in fetal thymus, bone marrow, heart, liver, spleen and thymus. Expression is associated with cells/tissues with a high mitotic index.,

研究领域 (Research Area)

Cell_Cycle_G1S; Cell_Cycle_G2M_DNA; Oocyte meiosis; Progesterone-mediated oocyte maturation;

图片 (Image Data)



Western blot analysis of the lysates from HUVEC cells using BUB1 antibody.

注意事项 (Note)

For research use only .