

Recombinant Human Survivin protein ab87202

3 References 2 图像

描述		
产品名称	重组人Survivin蛋白	
纯度	> 90 % SDS-PAGE. ab87202 is purified using conventional chromatography techniques.	
表达系统	Escherichia coli	
Accession	<u>O15392</u>	
蛋白长度	Full length protein	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	MGAPTLPPAWQPFLKDHRISTFKNWPFLGCACTPERMAEAG FIHCPTEN EPDLAQCFFCFKELEGWEPDDDPIDEEHKKHSSGCAFLSVKKQ FEELTLGE FLKLDREERAKNKIAKETNNKKKEFEETAKKVRRAIEQLAAMD	
预测分子量	33 kDa	
氨基酸	1 to 142	
额外的序列信息	Calmodulin tag in the N-terminal	

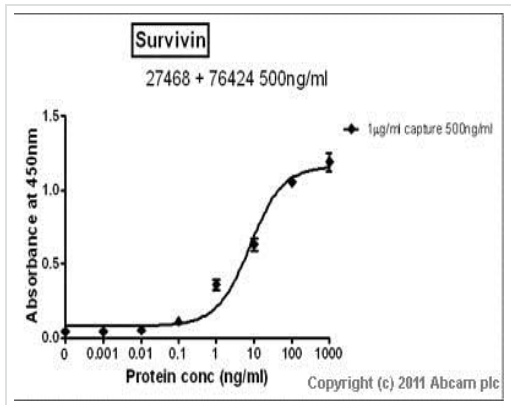
技术指标		
Our Abpromise guarantee covers the use of ab87202 in the following tested applications.		
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.		
应用	SDS-PAGE Sandwich ELISA	
形式	Liquid	

制备和贮存		
稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.242% Tris, 0.58% Sodium chloride	

常规信息

功能	Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. The complex with RAN plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2 to microtubules. May play a role in neoplasia. May counteract a default induction of apoptosis in G2/M phase. Inhibitor of caspase-3 and caspase-7. Isoform 2 and isoform 3 do not appear to play vital roles in mitosis. Isoform 3 shows a marked reduction in its anti-apoptotic effects when compared with the displayed wild-type isoform.
组织特异性	Expressed only in fetal kidney and liver, and to lesser extent, lung and brain. Abundantly expressed in adenocarcinoma (lung, pancreas, colon, breast, and prostate) and in high-grade lymphomas. Also expressed in various renal cell carcinoma cell lines.
序列相似性	Belongs to the IAP family. Contains 1 BIR repeat.
发展阶段	Expression is cell cycle-dependent and peaks at mitosis.
结构域	The BIR repeat is necessary and sufficient for HBXIP binding.
翻译后修饰	Ubiquitination is required for centrosomal targeting. In vitro phosphorylation at Thr-117 by AURKB/STK12 prevents interaction with INCENP and localization to mitotic chromosomes.
细胞定位	Cytoplasm. Nucleus. Chromosome. Chromosome > centromere. Cytoplasm > cytoskeleton > spindle. Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis. Colocalizes with AURKB at mitotic chromosomes.

图片



Standard curve for Survivin (Analyte: ab87202); dilution range 1pg/ml to 1µg/ml using Capture Antibody [ab27468](#) at 1µg/ml and Detector Antibody Rabbit monoclonal [EP2880Y] to Survivin ([ab76424](#)) at 0.5µg/ml. Concentration of Rabbit monoclonal [EP2880Y] to Survivin ([ab76424](#)) may vary from lot to lot; please use this curve as guideline.

Sandwich ELISA - Recombinant Human Survivin protein (ab87202)



15% SDS-PAGE showing ab87202 at approximately 33kDa (3μg).

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