

产品名称: Cleaved-Spectrin α II (D1185) Rabbit Polyclonal Antibody
产品货号: APRab09029



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Spectrin α II (D1185) 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)	SPTAN1
别名 (Alternative Names)	SPTAN1; NEAS; SPTA2; Spectrin alpha chain; non-erythrocytic 1; Alpha-II spectrin; Fodrin alpha chain; Spectrin, non-erythroid alpha subunit
基因 ID (Gene ID)	6709.0
蛋白 ID (SwissProt ID)	Q13813.The antiserum was produced against synthesized peptide derived from human SPTA2. AA range:1136-1185

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	137kDa

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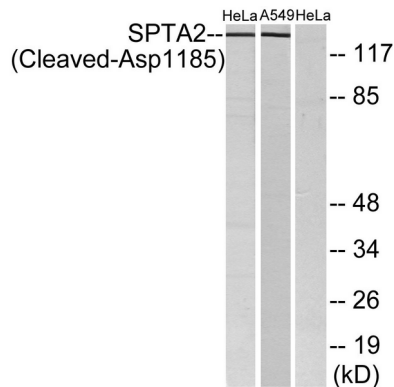
研究背景 (Background)

Spectrins are a family of filamentous cytoskeletal proteins that function as essential scaffold proteins that stabilize the plasma membrane and organize intracellular organelles. Spectrins are composed of alpha and beta dimers that associate to form tetramers linked in a head-to-head arrangement. This gene encodes an alpha spectrin that is specifically expressed in nonerythrocytic cells. The encoded protein has been implicated in other cellular functions including DNA repair and cell cycle regulation. Mutations in this gene are the cause of early infantile epileptic encephalopathy-5. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2010],function:Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane.,PTM:Phosphorylation of Tyr-1176 decreases sensitivity to cleavage by calpain in vitro.,similarity:Belongs to the spectrin family.,similarity:Contains 1 SH3 domain.,similarity:Contains 23 spectrin repeats.,similarity:Contains 3 EF-hand domains.,subunit:Like erythrocyte spectrin, the spectrin-like proteins are capable of forming dimers which can further associate to tetramers. Interacts with isoform 1 of ACP1. Interacts with CALM.,

研究领域 (Research Area)

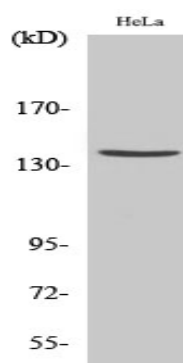
Tight junction;

图片 (Image Data)

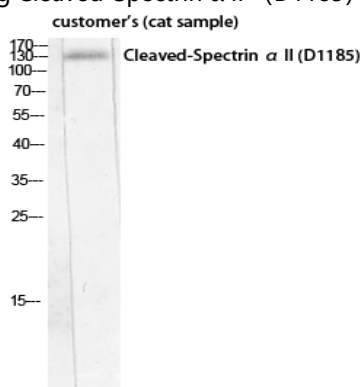


Western blot analysis of lysates from HeLa and A549 cells, treated with etoposide 25uM 24H, using SPTA2 (Cleaved-Asp1185) Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cleaved-Spectrin α II (D1185) Polyclonal Antibody diluted at 1: 500



Western Blot analysis of customer 's (cat sample) using Cleaved-Spectrin α II (D1185) Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .