

产品名称: IL-16 Rabbit Polyclonal Antibody
产品货号: AP Rab12504



产品概述 (Summary)

产品名称 (Production Name)	IL-16 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,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)	IL16
别名 (Alternative Names)	IL16; Pro-interleukin-16
基因 ID (Gene ID)	3603.0
蛋白 ID (SwissProt ID)	Q14005.The antiserum was produced against synthesized peptide derived from the C-terminal region of human IL16. AA range:1281-1330

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	140kDa

研究背景 (Background)

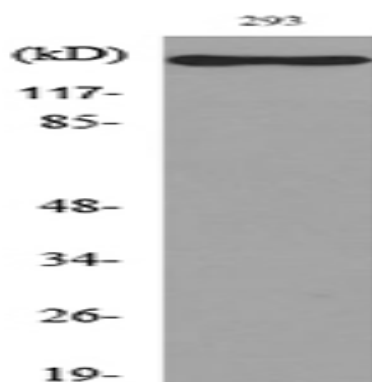
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The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010],function:Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.,function:Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane.,function:Isoform 3 is involved in cell cycle progression in T-cells. Appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. May act as a scaffold for GABPB1 (the DNA-binding subunit the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells.,induction:Isoform 3 is down-regulated in T-cells after TCR activation.,PTM:Isoform 3 is synthesized as a chemo-attractant inactive precursor in hemopoietic tissues and is proteolytically cleaved by caspase-3 to yield IL-16.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 2 PDZ (DHR) domains.,similarity:Contains 4 PDZ (DHR) domains.,subunit:Homotetramer (Probable); according (PubMed:9699630) the formation of a homotetrameric protein complex is not required for the chemo-attractant function. Isoform 3 interacts (via PDZ 3 domain) with PPP1R12A, PPP1R12B and PPP1R12C. Isoform 1 interacts with PPP1R12B. Isoform 3 interacts with GRIN2A. Isoform 3 interacts with GABPB1. Isoform 3 interacts (via PDZ 3 domain) with HDAC3. Isoform 1 interacts with GRIN2D, KCNJ10, KCNJ15 and CACNA1C (By similarity). Isoform 3 interacts with HTLV-1 tax.,tissue specificity:Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T cell proliferation.,

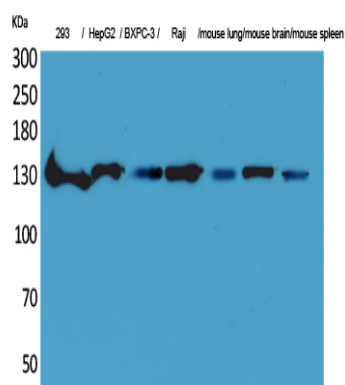
研究领域 (Research Area)

图片 (Image Data)

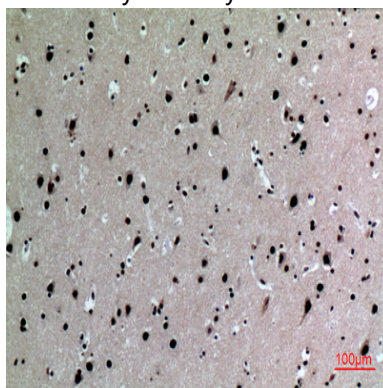


Western blot analysis of lysate from 293 cells, using IL16 Antibody.

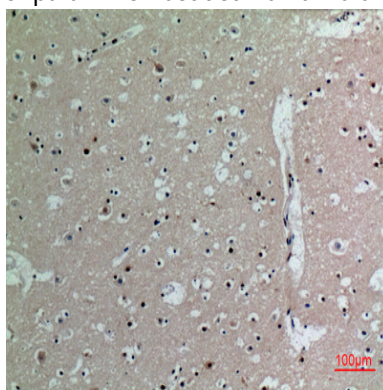
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Western Blot analysis of 293, HepG2, BXP-3, Raji, mouse lung, mouse brain, mouse spleen cells using IL-16 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100

注意事项 (Note)

For research use only .