

产品名称: BTK Mouse Monoclonal Antibody
产品货号: AMM80590



产品概述 (Summary)

产品名称 (Production Name)	BTK Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BTK
别名 (Alternative Names)	BTK
基因 ID (Gene ID)	695.0
蛋白 ID (SwissProt ID)	Q06187.Purified recombinant fragment of BTK expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	77kDa

研究背景 (Background)

Brutons tyrosine kinase (BTK) is a member of the BTK/Tec family of cytoplasmic tyrosine kinases. All members of the family contain SH3 and SH2 domains and, with the exception of Txk and Dsrc28C, also contain a pleckstrin homology (PH) and a

产品名称: BTK Mouse Monoclonal Antibody
产品货号: AMM80590

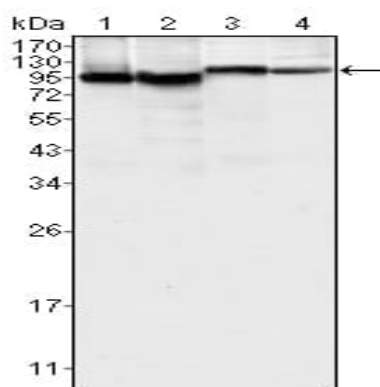


Tec homology (TH) domain in their amino termini. BTK plays an important role in B cell development. Activation of B cells by various ligands is accompanied by BTK membrane translocation mediated by its PH domain binding to phosphatidylinositol-3,4,5-trisphosphate. The membrane located BTK is active and associated with transient phosphorylation of two tyrosine residues, Tyr551 and Tyr223. Tyr551 in the activation loop is transphosphorylated by the Src family tyrosine kinase, leading to autophosphorylation at Tyr223 within the SH3 domain, which is necessary for full activation.

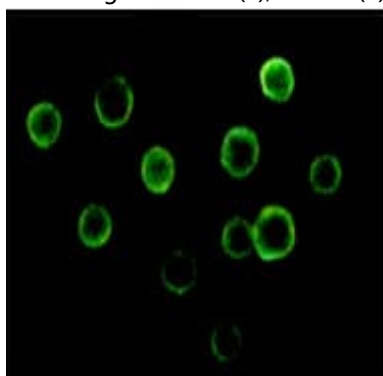
研究领域 (Research Area)

Apoptosis, TGF-beta signaling pathway

图片 (Image Data)

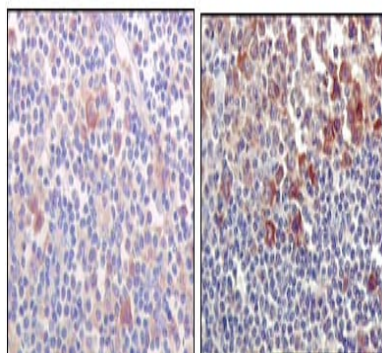


Western blot analysis using BTK mouse mAb against K562 (1), MCF-7 (2), Jurkat (3) and HEK293 (4) cell lysate.



Immunofluorescence analysis of Jurkat cells using BTK mouse mAb.

产品名称: BTK Mouse Monoclonal Antibody
产品货号: AMM80590



Immunohistochemical analysis of paraffin-embedded human lymph-node tissues (left) and human lymph follicle tissues (right), showing cytoplasmic and membrane localization using BTK mouse mAb with DAB staining.

注意事项 (Note)

For research use only .