

Product datasheet for **TA501091**

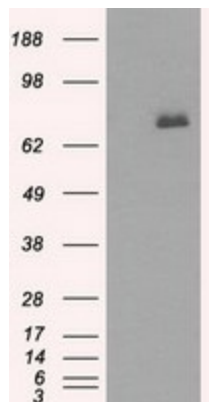
BTK Mouse Monoclonal Antibody [Clone ID: OTI12H4]

Product data:

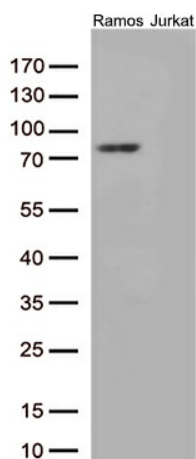
Product Type:	Primary Antibodies
Clone Name:	OTI12H4
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:50, IF 1:100, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BTK (NP_000052) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.92 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	76.1 kDa
Gene Name:	Bruton tyrosine kinase
Database Link:	NP_000052 Entrez Gene 695 Human
Background:	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement.
Synonyms:	AGMX1; AT; ATK; BPK; IMD1; PSCTK1; XLA
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Primary immunodeficiency



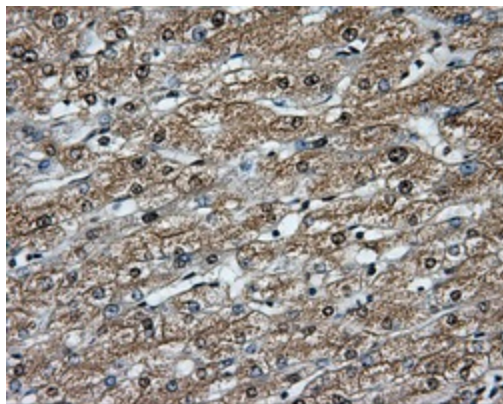
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Product images:

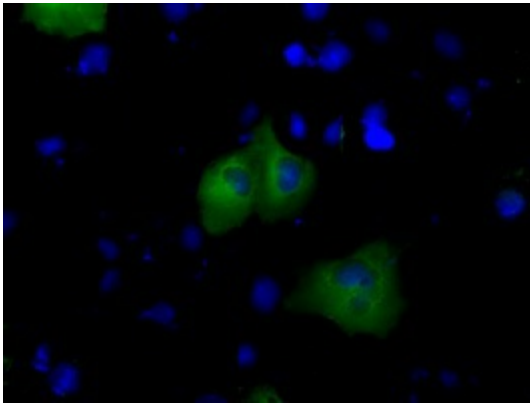
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BTK ([RC211582], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BTK. Positive lysates [LY424947] (100ug) and [LC424947] (20ug) can be purchased separately from OriGene.



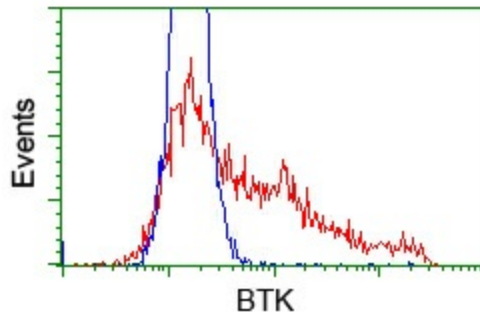
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-BTK monoclonal antibody (1:500).



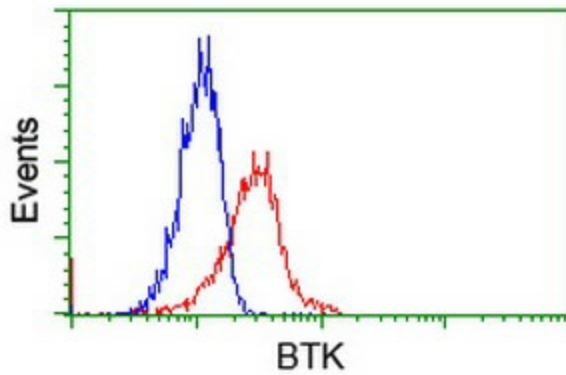
Immunohistochemical staining of paraffin-embedded liver tissue within the normal limits using anti-BTK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501091, Dilution 1:50)



Anti-BTK mouse monoclonal antibody (TA501091) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BTK ([RC211582]).



HEK293T cells transfected with either pCMV6-ENTRY BTK ([RC211582]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-BTK mouse monoclonal (TA501091), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-BTK antibody (TA501091), (Red), compared to a nonspecific negative control antibody, (Blue).