BTK (Phospho-Tyr223) Antibody

Catalog No: #11647

Package Size: #11647-1 50ul #11647-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

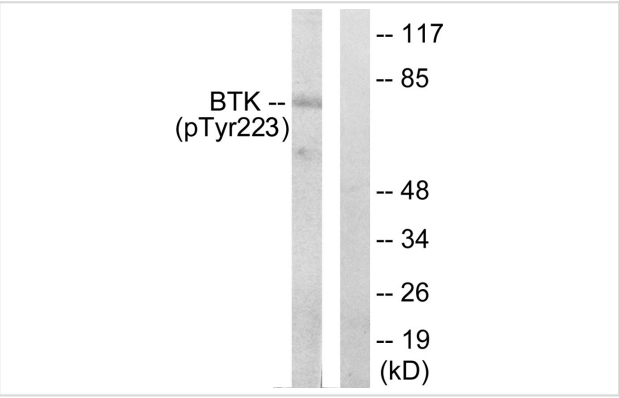
Description

Product Name	BTK (Phospho-Tyr223) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of BTK only when phosphorylated at tyrosine 223.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 223 (A-L-Y(p)-D-Y) derived from Human BTK.
Target Name	BTK
Modification	Phospho
Other Names	AGMX1; ATK; kinase Btk; BPK;
Accession No.	Swiss-Prot#: Q06187; NCBI Gene#: 695; NCBI Protein#: NP_000052.1.
Uniprot	Q06187
GeneID	695;
SDS-PAGE MW	80kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Hela cells treated with serum using BTK (phospho-Tyr223) Antibody #11647.The lane on the right is treated with the antigen-specific peptide.

Background

Non-receptor tyrosine kinase indispensable for B lymphocyte development, differentiation and signaling. Binding of antigen to the B-cell antigen receptor (BCR) triggers signaling that ultimately leads to B-cell activation. After BCR engagement and activation at the plasma membrane, phosphorylates PLCG2 at several sites, igniting the downstream signaling pathway through calcium mobilization, followed by activation of the protein kinase C (PKC) family members. PLCG2 phosphorylation is performed in close cooperation with the adapter protein B-cell linker protein BLNK.

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Yan M. Li, Cancer Res., Nov 2003; 63: 7630 - 7633.
Malti Nikrad, Mol. Cancer Ther., Mar 2005; 4: 443 - 449.
Feng Dong, Infect. Immun., Mar 2005; 73: 1861 - 1864.
Hiroo Ueno, Mol. Biol. Cell, Feb 2

Note: This product is for in vitro research use only