

## Anti-Phospho-BTK (Tyr223) Polyclonal Antibody

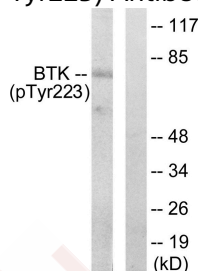
## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Actual: 80 kDa.
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 chromatography using non-phosphopeptide.

## Applications

## Verified Activity:

1. Western blot analysis of extracts from Hela cells treated with serum using BTK (phospho-Tyr223) Antibody TMAC-00484. The lane on the right is treated with the antigen-specific peptide.



Application:	WB
Recommended	WB: 1:500-1000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 223 (A-L-Y(p)-D-Y) derived from Human BTK
Antigen Species:	Human
Uniprot ID:	Q06187
Synonyms:	p-BTK (Y223);BTK (p-Tyr223);p-BTK (Tyr223);BTK (p-Y223)

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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