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## anti-BTK antibody (N-Term)





Overview	
Quantity:	400 μL
Target:	BTK
Binding Specificity:	AA 27-55, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This BTK antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 27-55 amino acids from the N-terminal region of human BTK.
Clone:	RB33691
Isotype:	Ig Fraction
Predicted Reactivity:	C, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	ВТК
Alternative Name:	BTK (BTK Products)
Background:	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this

### **Target Details**

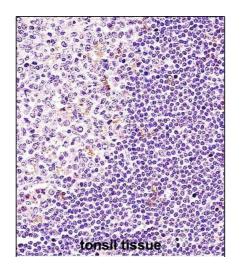
	gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement.
Molecular Weight:	76281
Gene ID:	695
NCBI Accession:	NP_000052
UniProt:	Q06187
Pathways:	Fc-epsilon Receptor Signaling Pathway, Hormone Transport, Activation of Innate immune Response, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Toll-Like Receptors Cascades, BCR Signaling

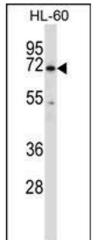
## Application Details

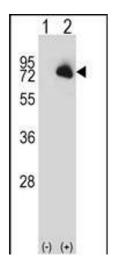
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	BTK Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months







#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** BTK Antibody (N-term) (ABIN657469 and ABIN2846497) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BTK Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** BTK Antibody (N-term) (ABIN657469 and ABIN2846497) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the BTK antibody detected the BTK protein (arrow).

#### **Western Blotting**

**Image 3.** Western blot analysis of BTK (arrow) using rabbit polyclonal BTK Antibody (N-term) (ABIN657469 and ABIN2846497). 293 cell lysates (2 μg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the BTK gene.