SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Mouse Anti-BTK antibody

Catalog Number: SLM-60274M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1/Kappa
Clonality:	Monoclonal
Clone No.:	B11A10
Target:	BTK
Purification:	Affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Subcellular Location:	The nucleus cytoplasmic The cell membrane
Background:	Non-receptor tyrosine kinases are essential for Blymphocyte development, differentiation, and signal transduction. Antigen binding to the B cell antigen receptor (BCR) triggers signals that ultimately lead to B cell activation. After BCR binding to the plasma membrane and activation, PLCG2 is phosphorylated at multiple sites, activating downstream signaling pathways through calcium mobilization, and then activating members of the protein kinase C (PKC) family. PLCG2 phosphorylation occurs in close cooperation with the adapter protein B cell linker protein BLNK. BTK acts as a platform that brings together different signaling proteins and is associated with cell factor receptor signaling pathways. As a component of the Toll-like receptor (TLR) pathway, it plays an important role in immune cell functions of innate and adaptive immunity. The TLR pathway is the primary surveillance system for detecting pathogens and is essential for activating the host defense system.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.