SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IBTK antibody

Catalog Number: SL15532R

FOR RESEARCH USE ONLY

[DATASHEET]

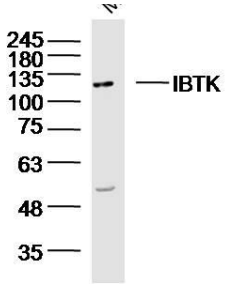
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IBTK
Immunogen:	KLH conjugated synthetic peptide derived from human IBTK: 701-800/1353
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Pig)
Predicted MW.:	150kDa
Subcellular Location:	The nucleus cytoplasmic The cell membrane
Background:	IBTK is a encoded by this gene binds to Bruton's tyrosine kinase (BTK) and downregulates BTK's kinase activity. In addition, the encoded protein disrupts BTK-mediated calcium mobilization and negatively regulates the activation of nuclear factor-kappa-B-driven transcription. **Function:** Acts as an inhibitor of BTK tyrosine kinase activity, thereby playing a role in B-cell development. Down-regulates BTK kinase activity, leading to interference with BTK-mediated calcium mobilization and NF-kappa-B-driven transcription. **Subunit:** Interacts with the PH domain of BTK. Isoform 2 does not interact with BTK. **Subcellular Location:** Cytoplasm. Membrane; Peripheral membrane protein. Note=Translocates to the plasma membrane upon IgM stimulation. Isoform 2: Nucleus. **Tissue Specificity:** Expressed in DeFew, HEK293T, HeLa and in Jurkat, MC3 and NB4 lymphoid cells (at protein level). Isoform 1 is the predominant

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	isoform expressed in all examined tissues and cell lines. Highly expressed in hemopoietic tissues (fetal liver, spleen, lymph node, thymus, peripheral blood leukocytes and bone marrow). Weakly or not expressed in other tissues. **Similarity:** Contains 3 ANK repeats. Contains 2 BTB (POZ) domains. Contains 3 RCC1 repeats. **Database links:** **Entrez Gene:** 25998 Human Omim: 606457 Human **SwissProt:** Q9P2D0 Human **Unigene:** 306425 Human

[VALIDATION IMAGES]



Sample: Molt-4 Cell (Human) Lysate at 40 ug
Primary: Anti-IBTK(SL15532R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 150kD
Observed band size: 133kD

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