



Rabbit Anti-IBTK antibody

SL15532R

Product Name:	IBTK
Chinese Name:	Bruton酪氨酸激酶抑制剂蛋白抗体
Alias:	BTKI; IBtk; IBTK_HUMAN; inhibitor of Bruton agammaglobulinemia tyrosine kinase; Inhibitor of Bruton tyrosine kinase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	150kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IBTK:701-800/1353
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:

Q9P2D0

Gene ID:

25998

Database links:

[Entrez Gene: 25998](#)Human

[Omim: 606457](#)Human

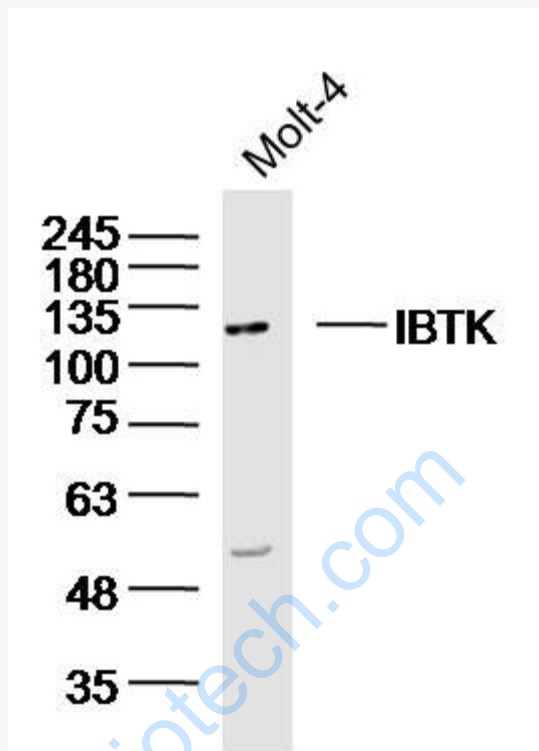
[SwissProt: Q9P2D0](#)Human

[Unigene: 306425](#)Human

Important Note:

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

Picture:



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