

IBTK Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56031

Specification

IBTK Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Pig
Host
Clonality
Calculated MW
Rat, Pig
Rabbit
Polyclonal
150 KDa

Physical State
Liquid
Immunogen
KLH conjugated synthetic peptide derived

from human IBTK 701-800/1353

Epitope Specificity

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm. Membrane; Peripheral

membrane protein. Note=Translocates to

the plasma membrane upon IgM stimulation. Isoform 2: Nucleus.

SIMILARITY Contains 3 ANK repeats.Contains 2 BTB

(POZ) domains.Contains 3 RCC1 repeats. Interacts with the PH domain of BTK.

SUBUNIT Interacts with the PH domain of BTK.

Isoform 2 does not interact with BTK. This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

IBTK Polyclonal Antibody - Additional Information

Gene ID 25998

Important Note

Other Names

Inhibitor of Bruton tyrosine kinase, IBtk, IBTK, BTKI, KIAA1417

Target/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.



Dilution

 $< span \ class = "dilution_WB">WB~\sim 1:1000 < /span> < br \> < span \ class = "dilution_IHC-P">IHC-P~\sim N/A < /span> < br \> < span \ class = "dilution_IHC-F">IHC-F~\sim N/A < /span> < br \> < span \ class = "dilution_IF">IF~\sim 1:50 \sim 200 < /span> < br \> < span \ class = "dilution_ICC">ICC~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\sim N/A < /span> < br \> < span \ class = "dilution_E">E~\ D_{A} < span \ class = "dilution_E" > E~\ D_{A} < span < down = 1000 <$

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

IBTK Polyclonal Antibody - Protein Information

Name IBTK

Synonyms BTKI, KIAA1417

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.

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein. Note=Translocates to the plasma membrane upon IgM stimulation

Tissue Location

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.

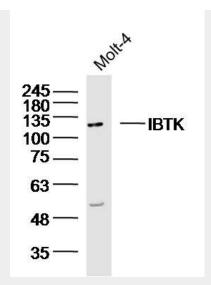
IBTK Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

IBTK Polyclonal Antibody - Images





Sample: Molt-4 Cell (Human) Lysate at 40 ug Primary: Anti-IBTK(bs-15532R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 150kD Observed band size: 133kD