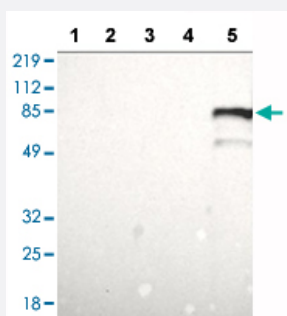


BTK polyclonal antibody

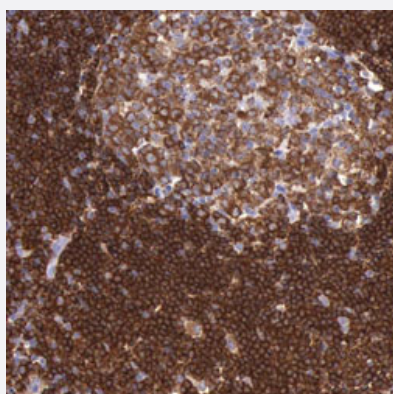
Catalog # PAB29308 Size 100 uL

Applications



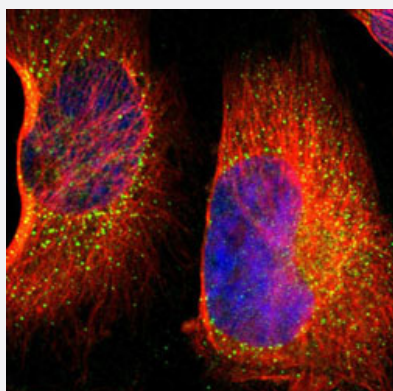
Western Blot

Western blot analysis of Lane 1: RT-4 cell lysate, Lane 2: U-251 MG sp cell lysate, Lane 3: A-431 cell lysate, Lane 4: Human liver tissue, Lane 5: Human tonsil tissue with BTK polyclonal antibody (Cat# PAB29308) at 1:100 - 1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node tissue with BTK polyclonal antibody (Cat# PAB29308) at 1:200 - 1:500 dilution.



Immunofluorescence

Immunofluorescence staining of U-251 MG cells with BTK polyclonal antibody (Cat# PAB29308) under 1-4 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human BTK.
Immunogen	Recombinant protein corresponding to amino acids 206-351 of human BTK.
Sequence	PAAAPVSTSELKKVVALYDYMPMNANDLQLRKGDYFILEESNLPWWRARDKNGQEGYPSNYV TEAEDSIEMYEWYSKHMTRSQAELLLKQEGKEGGFIVRDSSKAGKYTVSVFAKSTGDPQGVIRHY VVCSTPQSQYYLAEKHL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4 cell lysate, Lane 2: U-251 MG sp cell lysate, Lane 3: A-431 cell lysate, Lane 4: Human liver tissue, Lane 5: Human tonsil tissue with BTK polyclonal antibody (Cat# PAB29308) at 1:100 - 1:250 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node tissue with BTK polyclonal antibody (Cat# PAB29308) at 1:200 - 1:500 dilution.

- Immunofluorescence

Immunofluorescence staining of U-251 MG cells with BTK polyclonal antibody (Cat# PAB29308) under 1-4 ug/mL working concentration.

Gene Info — BTK

Entrez GeneID	695
Protein Accession#	Q06187
Gene Name	BTK
Gene Alias	AGMX1, AT, ATK, BPK, IMD1, MGC126261, MGC126262, PSCTK1, XLA
Gene Description	Bruton agammaglobulinemia tyrosine kinase
Omim ID	300300 307200
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this 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. [provided by RefSeq]
Other Designations	B-cell progenitor kinase Bruton tyrosine kinase OTTHUMP00000023676 OTTHUMP00000063593 agammaglobulinemia tyrosine kinase dominant-negative kinase-deficient Brutons tyrosine kinase tyrosine-protein kinase BTK

Pathway

- [B cell receptor signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Agammaglobulinemia](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Diseases](#)
- [HIV Infections](#)
- [Immunologic Deficiency Syndromes](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Severe Combined Immunodeficiency](#)