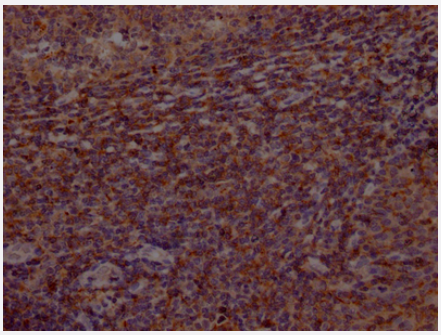
RecomAb™ Sm Size

BTK recombinant monoclonal antibody, clone 3E5

Catalog # RAB08720 Size 50 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using BTK recombinant monoclonal antibody on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BTK.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human BTK.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

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- Enzyme-linked Immunoabsorbent Assay

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 gen e cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by th e failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearran gement. [provided by RefSeq
Other Designations	B-cell progenitor kinase|Bruton tyrosine kinase|OTTHUMP00000023676|OTTHUMP0000006359 3|agammaglobulinemia tyrosine kinase|dominant-negative kinase-deficient Brutons tyrosine kina se|tyrosine-protein kinase BTK

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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

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