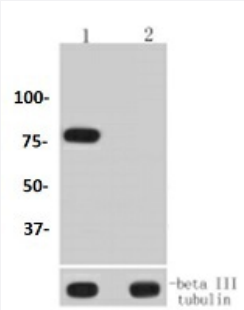
RecomAb™ Sm Size

BTK (phospho Y223) recombinant monoclonal antibody

Catalog # RAB09439 Size 50 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane1:K562 whole cell lysate treated with pervanadate Lane2:K562 whole cell lysate with BTK (phospho Y223) recombinant monoclonal antibody (Cat # RAB09439) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against BTK.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant BTK.
Theoretical MW (kDa)	77
Reactivity	Human
Specificity	This antibody detects endogenous levels of BTK protein only when phosphorylated at Tyr223.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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  Western blot analysis of Lane1:K562 whole cell lysate treated with pervanadate Lane2:K562 whole cell lysate with BTK (phospho Y223) recombinant monoclonal antibody (Cat # RAB09439) at 1:1000 dilution.

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

Pathway

- B cell receptor signaling pathway

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- 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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