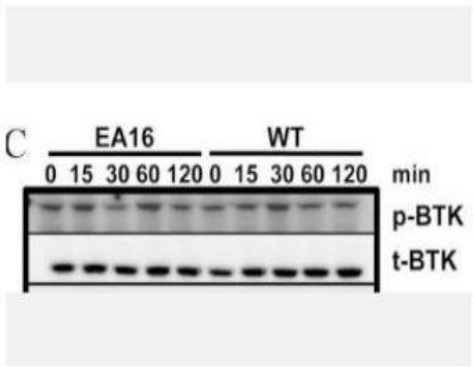
PRODUCT DATA SHEET

Btk Polyclonal Antibody

Catalog No.	IPB0203
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-1:2000 ELISA: 1:20000
Gene Name	BTK
Protein Name	Tyrosine-protein kinase BTK
Human Gene Id	695
Swiss-Prot	Q06187
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cytoplasm Cell membrane; Peripheral membrane protein Nucleus In steady state, BTK is predominantly cytosolic Following B-cell receptor (BCR) engagement by antigen, translocates to the plasma membrane through its PH domain Plasma membrane localization is a critical step in the activation of BTK A fraction of BTK also shuttles between the nucleus and the cytoplasm, and nuclear export is mediated by the nuclear export receptor CRM1
MW	76150
Background	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 Alternative splicing results in multiple transcript variants encoding different isoforms

Products Images:



Yang, Chunhui, et al. "Non-classical MHC IE negatively regulates macrophage activation and Th17 cell development in NOD mice." Scientific reports 5 (2015): 12941.

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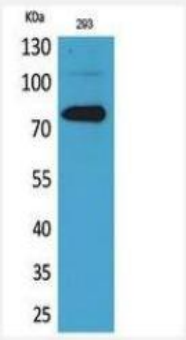

Western Blot analysis of 293 cells using Btk Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000