Product Datasheet

BTK (Phospho-Y223) Rabbit Polyclonal Antibody (orb216039)

Catalog Number	orb216039
Category	Antibodies
Description	The BTK (Phospho-Y223) Antibody is suitable for IF, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y223 of human BTK protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	BTK
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Bovine, Human, Mouse, Rat
Form/Appearance	Liquid
Buffer/Preservatives	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y223 of human BTK protein. The exact sequence is proprietary.
UniProt ID	Q06187, P35991
Tested applications	IF, WB

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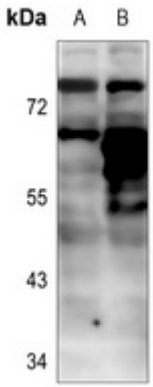
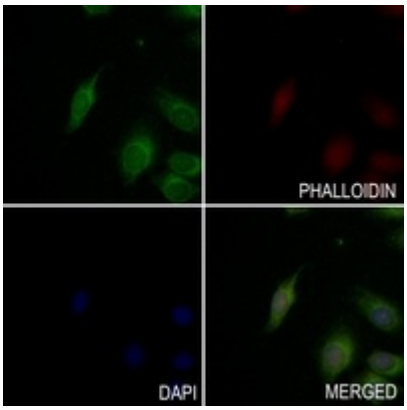
Dilution range	WB: 1:500-1:1000
Specificity	Recognizes endogenous levels of BTK protein only when phosphorylated at Y223.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	**12229**, **695**
Expiration Date	12 months from date of receipt.



Western blot analysis of BTK (Phospho-Y223) expression in mouse spleen (A), mouse liver (B) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 75 kD)



Immunofluorescent analysis of BTK (Phospho-Y223) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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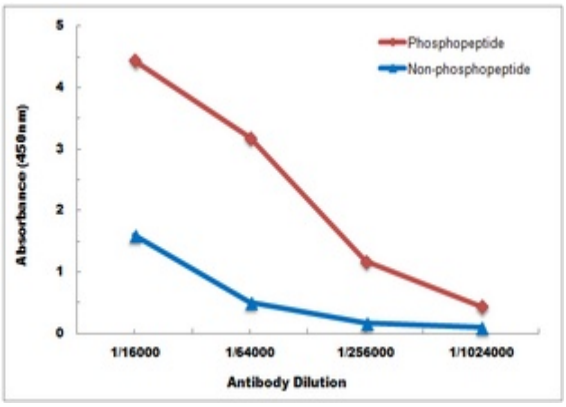

Direct ELISA antibody dose-response curve using Anti-BTK (Phospho-Y223) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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