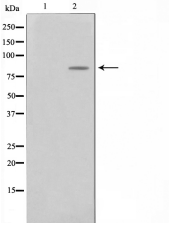
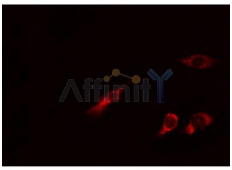
Phospho-BTK(Tyr223) Ab

Cat.#: AF0841	Concn.: 1mg/ml	Mol.Wt.: 80kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-BTK(Tyr223) Ab detects endogenous levels of BTK only when phosphorylated at Tyrosine 223.
Immunogen:	A synthesized peptide derived from human BTK around the phosphorylation site of Tyr223.
Uniprot:	Q06187
Description:	Defects in the Bruton tyrosine kinase (BTK) gene cause Agammaglobulinemia. Agammaglobulinemia is an X-linked immunodeficiency characterized by failure to produce mature B lymphocyte cells and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]
Subcellular Location:	Cytoplasm. Membrane. Nucleus.
Tissue Specificity:	Predominantly expressed in B-lymphocytes.
Similarity:	The PH domain mediates the binding to inositol polyphosphate and phosphoinositides, leading to its targeting to the plasma membrane. It is extended in the BTK kinase family by a region designated the TH (Tec homology) domain, which consists of about 80 residues preceding the SH3 domain.Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on HeLa cell lysates using Phospho-BTK(Tyr223) Ab,The lane on the left was treated with the antigen-specific peptide.



AF0841 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Red), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.