

## Anti-PTK6 (phospho-Y342) Antibody

Catalog Number: A01881Y342

### About PTK6

Cleavable component of the cohesin complex, involved in chromosome cohesion during cell cycle, in DNA repair, and in apoptosis. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At metaphase-anaphase transition, this protein is cleaved by separase/ESPL1 and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis. Also plays a role in apoptosis, via its cleavage by caspase-3/CASP3 or caspase-7/CASP7 during early steps of apoptosis: the C-terminal 64 kDa cleavage product may act as a nuclear signal to initiate cytoplasmic events involved in the apoptotic pathway.

McKay M.J., Genomics 36:305-315(1996).

Sadano H., Biochem. Biophys. Res. Commun. 267:418-422(2000).

Nomura N., DNA Res. 1:223-229(1994).

### Overview

Product Name	Anti-PTK6 (phospho-Y342) Antibody
Reactive Species	Human
Description	Boster Bio Anti-PTK6 (phospho-Y342) Antibody catalog # A01881Y342. Tested in IHC applications. This antibody reacts with Human.
Application	IHC
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13882

### Technical Details

Immunogen	Synthesized peptide derived from human OAS2.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>IHC: 1:50-1:200</p>

## Anti-PTK6 (phospho-Y342) Antibody (A01881Y342) Images

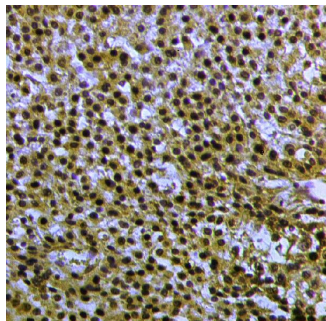


Figure 1. Immunohistochemistry validation of PTK6 using Anti-PTK6 (phospho-Y342) Antibody (A01881Y342).

Immunohistochemistry (IHC) analyzes of PTK6 (phospho-Y342) polyclonal antibody in paraffin-embedded human stomach cancer tissue at 1:50.

For more protocol information of IHC

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