

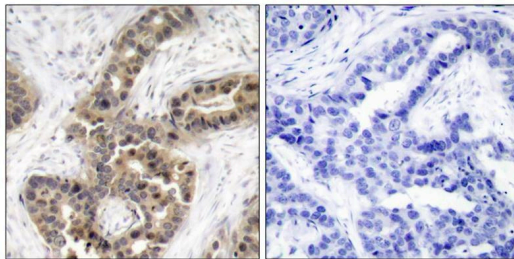
## Anti-Phospho-CDKN1A (Thr145) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Applications

Verified Activity: 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1 (Phospho-Thr145) Antibody TMAC-02942 (left) or the same antibody preincubated with blocking peptide (right).



Application: IHC

## Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: Peptide sequence around phosphorylation site of threonine 145 (R-Q-T(p)-S-M) derived from Human p21Cip1

Antigen Species: Human

Uniprot ID: P38936

Synonyms: p-CDKN1A (T145);CDKN1A (p-T145);CDKN1A (p-Thr145);p-CDKN1A (Thr145)

## Research Background

May be the important intermediate by which p53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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