Datasheet for ABIN1531470

# anti-PPP1CA antibody (pThr320)

2 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | PPP1CA |
| Binding Specificity: | AA 281-330, pThr320 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PPP1CA antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC) |

## Product Details

| | |
|---|---|
| Immunogen: | The antiserum was produced against synthesized peptide derived from human PP1-alpha around the phosphorylation site of Thr320. |
| Isotype: | IgG |
| Specificity: | PP1-alpha (Phospho-Thr320) Antibody detects endogenous levels of PP1-alpha only when phosphorylated at Thr320.<br>PhosphorylationH:T320 M:T320 R:T320 |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity: | > 95 % |

## Target Details

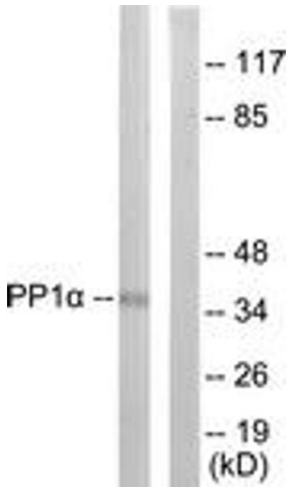
| | |
|---|---|
| Target: | PPP1CA |
| Alternative Name: | PP1-alpha (PPP1CA Products) |
| Background: | Synonyms: PP-1A, PP1A, PPP1A, Serine/threonine protein phosphatase PP1-alpha 1 catalytic subunit, Serine/threonine protein phosphatase PP1-alpha 1, catalytic subunit<br>NCBI Gene Symbol: PPP1CA |
| Molecular Weight: | 37 kDa |
| Gene ID: | 5499 |
| OMIM: | 176875 |
| UniProt: | P62136 |
| Pathways: | M Phase, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Lipid Metabolism |

## Application Details

| | |
|---|---|
| Application Notes: | IHC: 1:50~1:100 ELISA: 1:10000 |
| Comment: | Unigene-Number: Hs.183994 (NCBI Gene Symbol: PPP1CA) |
| Restrictions: | For Research Use only |

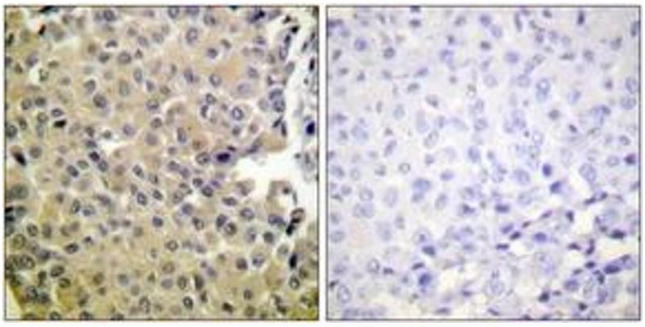
## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Stable at -20°C for at least 1 year. |
| Expiry Date: | 12 months |




## Western Blotting

**Image 1.**



## Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using PP1-alpha (Phospho-Thr320) Antibody. The picture on the right is treated with the synthesized peptide.