

## Rabbit PP2A-alpha Polyclonal Antibody | anti-PP2A-alpha antibody

PP2A-alpha (Phospho-Tyr307) Antibody

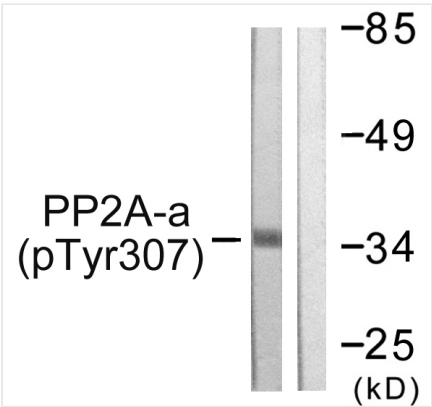
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA316214 | Rabbit | Human, Mouse, Rat | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

PP2A-alpha; Polyclonal Antibody; PP2A-alpha (Phospho-Tyr307) Antibody; anti-PP2A-alpha antibody

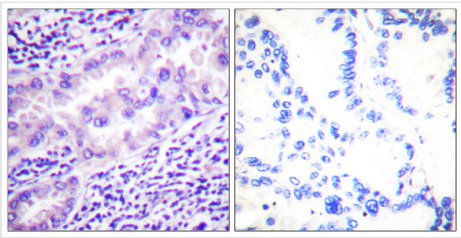
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                                                                                                                                           |
| Reactivity                                           | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                            | Polyclonal                                                                                                                                                                                       |
| Specificity                                          | PP2A-alpha (Phospho-Tyr307) Antibody detects endogenous levels of PP2A-alpha only when phosphorylated at Tyr307.                                                                                 |
| Purity/Purification                                  | 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. |
| Form/Format                                          | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                               |
| Concentration                                        | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                      | 255                                                                                                                                                                                              |
| Applicable Applications for anti-PP2A-alpha antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                    |
| Target Modification                                  | Phospho                                                                                                                                                                                          |
| Modification Sites                                   | H:Y307; M:Y307; R:Y307                                                                                                                                                                           |
| Immunogen                                            | The antiserum was produced against synthesized peptide derived from human PP2A-alpha around the phosphorylation site of Tyr307.                                                                  |
| Immunogen Range                                      | 260-309                                                                                                                                                                                          |
| Preparation and Storage                              | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |



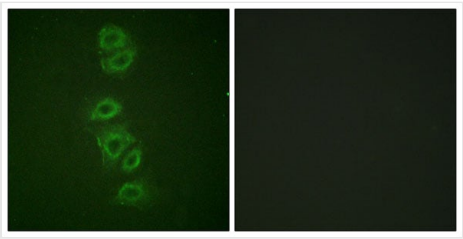
WB (Western Blot)

Western blot analysis of lysates from A549 cells, using PP2A-alpha (Phospho-Tyr307) Antibody. The lane on the right is blocked with the phospho peptide.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using PP2A-alpha (Phospho-Tyr307) Antibody. The picture on the right is blocked with the phospho peptide.



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells, using PP2A-alpha (Phospho-Tyr307) Antibody. The picture on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| NCBI GI #                        | 4506017                                                                           |
| NCBI GeneID                      | 5515                                                                              |
| NCBI Accession #                 | NP_002706.1                                                                       |
| NCBI GenBank Nucleotide #        | NM_002715.3                                                                       |
| UniProt Accession #              | P67775; P05323; P13197                                                            |
| Molecular Weight                 | 35 kDa                                                                            |
| NCBI Official Full Name          | serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform isoform 1 |
| NCBI Official Synonym Full Names | protein phosphatase 2 catalytic subunit alpha                                     |
| NCBI Official Symbol             | PPP2CA                                                                            |
| NCBI Official Synonym Symbols    | RP-C; PP2Ac; PP2CA; PP2Calpha                                                     |
| NCBI Protein Information         | serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform           |
| UniProt Protein Name             | Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform           |
| UniProt Gene Name                | PPP2CA                                                                            |
| UniProt Synonym Gene Names       | PP2A-alpha; RP-C                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.