

## ARG30052 Phospho mTOR Antibody Duo (Total, pS2448)

Package: 1 pair  
Store at: -20°C

### Component

| Cat. No. | Component Name                       | Host clonality | Reactivity  | Application       | Package |
|----------|--------------------------------------|----------------|-------------|-------------------|---------|
| ARG54675 | anti-mTOR antibody                   | Rabbit pAb     | Hu, Ms      | ELISA, ICC/IF, WB | 25 µg   |
| ARG51712 | anti-mTOR phospho (Ser2448) antibody | Rabbit pAb     | Hu, Ms, Rat | ICC/IF, IHC-P, WB | 50 µl   |

### Summary

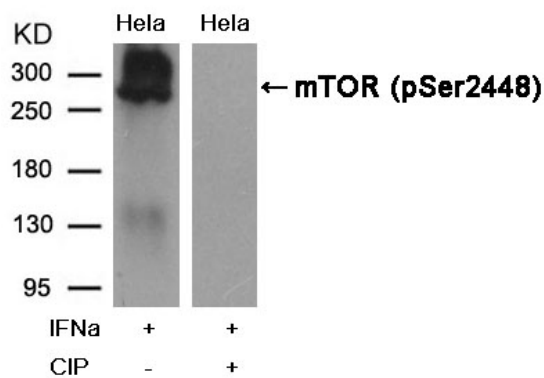
|                     |   |
|---------------------|---|
| Product Description | The mammalian target of rapamycin (mTOR) regulates cell growth with the growth factor and nutrient status of the cell. mTOR is a direct substrate for the AKT kinase that phosphorylates mTOR at Ser-2448. Later it was found that the phosphorylation of mTOR at Ser-2448 also requires autophosphorylation at Ser-2481. |
|                     | mTOR phospho duo allows scientists to study the function of mTOR in the cell proliferation and homeostasis abnormality in tumor cells. The control of mTOR pSer-2448 phosphorylation by insulin might give more insight into the potential of mTOR as a target for cancer therapy.  |
| Target Name         | mTOR  |
| Alternate Names     | Phospho mTOR antibody; Phospho mechanistic target of rapamycin antibody; mTOR phospho (Ser2448) antibody; mTOR antibody   |

### Properties

|                     |  |
|---------------------|--|
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

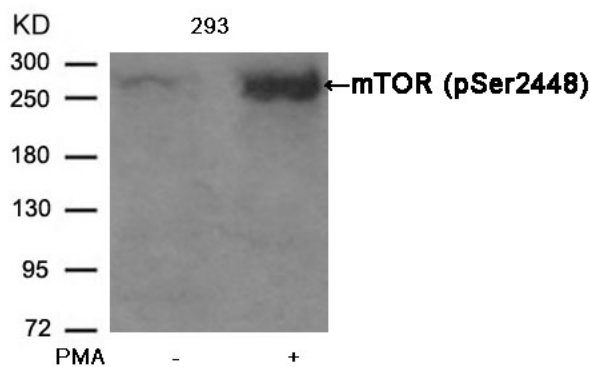
### Bioinformation

|                |   |
|----------------|---|
| Gene Full Name | Phospho mechanistic target of rapamycin (mTOR) Antibody Duo (Total, pS2448)                                 |
| Research Area  | Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Metabolism antibody |



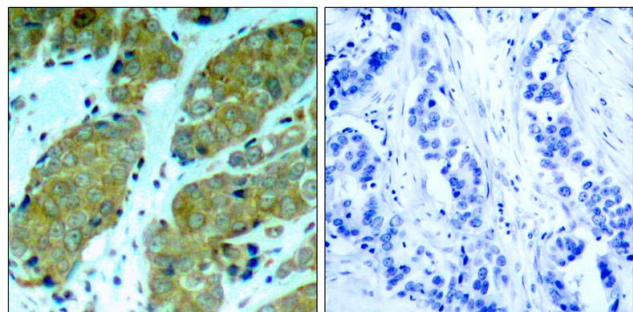
ARG51712 anti-mTOR phospho (Ser2448) antibody WB image

Western Blot: extracts from HeLa cells, treated with IFNa or calf intestinal phosphatase (CIP), stained with anti-mTOR (phospho Ser2448) antibody ARG51712.



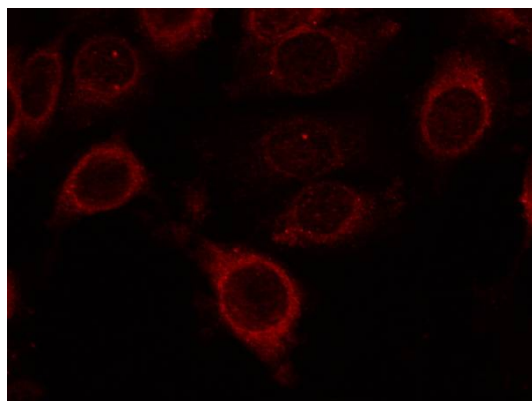
ARG51712 anti-mTOR phospho (Ser2448) antibody WB image

Western Blot: extracts from 293 cells untreated or treated with PMA stained with anti-mTOR (phospho Ser2448) antibody ARG51712.



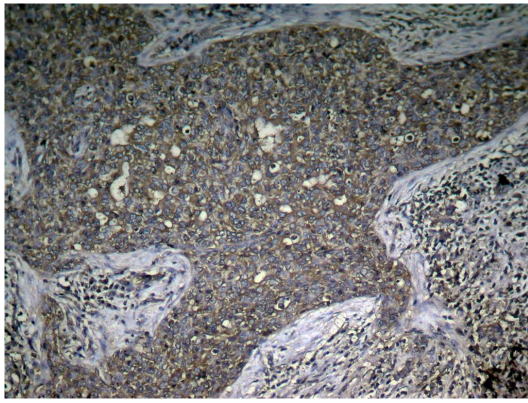
ARG51712 anti-mTOR phospho (Ser2448) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-mTOR (phospho Ser2448) antibody ARG51712 (left) or the same antibody preincubated with blocking peptide (right).



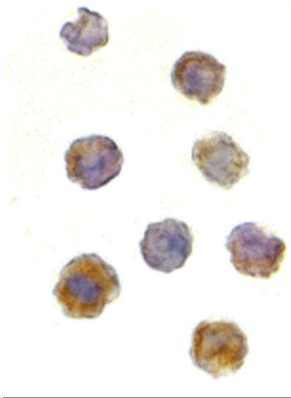
ARG51712 anti-mTOR phospho (Ser2448) antibody ICC/IF image

Immunofluorescence: methanol-fixed MCF cells stained with anti-mTOR (phospho Ser2448) antibody ARG51712.



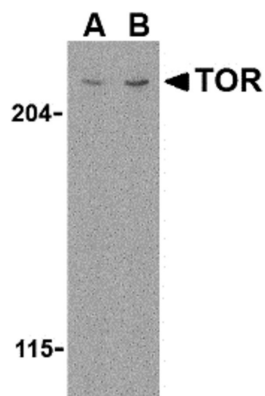
ARG51712 anti-mTOR phospho (Ser2448) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with ARG51712 anti-mTOR (phospho Ser2448) antibody.



ARG54675 anti-mTOR antibody ICC/IF image

Immunocytochemistry: L1210 cells stained with ARG54675 anti-mTOR antibody at 2 µg/ml.



ARG54675 anti-mTOR antibody WB image

Western blot: L1210 cell lysate stained with ARG54675 anti-mTOR antibody at (A) 1 and (B) 2 µg/ml.