

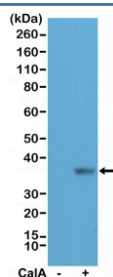
## Recombinant phospho-EIF2A Antibody (Ser51) [clone RM298] (R20320)

| Catalog No.  | Formulation                                                      | Size   |
|--------------|------------------------------------------------------------------|--------|
| R20320-0.1ML | Antibody in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide | 100 ul |

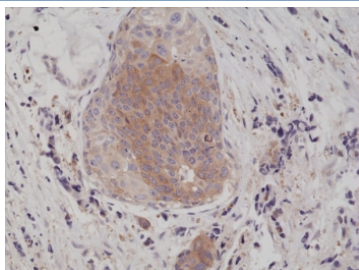
Recombinant **RABBIT MONOCLONAL**

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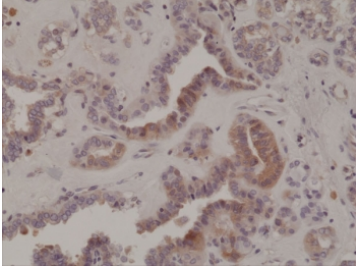
|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Availability         | 1-3 business days                                                           |
| Species Reactivity   | Human                                                                       |
| Predicted Reactivity | Mouse, Rat                                                                  |
| Format               | Purified                                                                    |
| Clonality            | Recombinant Rabbit Monoclonal                                               |
| Isotype              | Rabbit IgG                                                                  |
| Clone Name           | RM298                                                                       |
| Purity               | Protein A purified from animal origin-free supernatant                      |
| UniProt              | P05198                                                                      |
| Localization         | Cytoplasmic                                                                 |
| Applications         | Immunohistochemistry (FFPE) : 1:100-1:200<br>Western Blot : 1:100-1:200     |
| Limitations          | This recombinant phospho-EIF2A antibody is available for research use only. |



Western blot testing of lysate from human HeLa cells, untreated (-) or treated (+) with Calyculin A (CalA), with recombinant phospho-EIF2A antibody at 1:200 dilution. Predicted molecular weight ~36 kDa.



IHC testing of formalin fixed and paraffin embedded human breast cancer tissue with recombinant phospho-EIF2A antibody at 1:200 dilution. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of formalin fixed and paraffin embedded human thyroid cancer tissue with recombinant phospho-EIF2A antibody at 1:200 dilution. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

## Description

This antibody reacts to human eIF-2α (Eukaryotic translation initiation factor 2 subunit alpha) only when phosphorylated at Ser51. There is no cross-reactivity to eIF-2α without phosphorylation at Ser51.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant phospho-EIF2A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A peptide corresponding to the amino acids surrounding phosphorylated serine 51 was used as the immunogen for the recombinant phospho-EIF2A antibody.

## Storage

Store the recombinant phospho-EIF2A antibody at -20°C.