

# PDE4A (phospho Ser140) antibody

**Cat. No. GTX60930**

|                     |                           |
|---------------------|---------------------------|
| <b>Host</b>         | Rabbit                    |
| <b>Clonality</b>    | Polyclonal                |
| <b>Isotype</b>      | IgG                       |
| <b>Applications</b> | WB, IP, ELISA             |
| <b>Reactivity</b>   | Human, Mouse, Rat, Rabbit |

**Package**  
50 µg

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:500                |
| IP                 | 1:150                |
| ELISA              | 1:10000              |

Not tested in other applications.

|                      |                                                                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Calculated MW</b> | 98 kDa. ( <a href="#">Note</a> )                                                                                                                                                                                                                                                                                                     |
| <b>Product Note</b>  | This antibody detects all known long-form variants of PDE4A, including PDE4A4, PDE4A5, PDE4A8, PDE4Ax when phosphorylated at the PKA phosphorylation site. It will not cross-react with PDE4A phosphorylated at the ERK phosphorylation site. It does not cross-react with other members of the PDE family including PDE4B or PDE4D. |

## Properties

|                      |                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>          | Liquid                                                                                                                                                                                                                     |
| <b>Buffer</b>        | Tris/Glycine, 0.5% BSA, 30% Glycerol                                                                                                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium azide                                                                                                                                                                                                         |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| <b>Concentration</b> | 0.57 mg/ml (Please refer to the vial label for the specific concentration.)                                                                                                                                                |
| <b>Immunogen</b>     | Synthetic peptide corresponding to PKA phosphorylation site on PDE4A long form enzymes. The peptide was synthesized with phosphorylated serine residue.                                                                    |
| <b>Purification</b>  | Purified by affinity chromatography                                                                                                                                                                                        |
| <b>Conjugation</b>   | Unconjugated                                                                                                                                                                                                               |



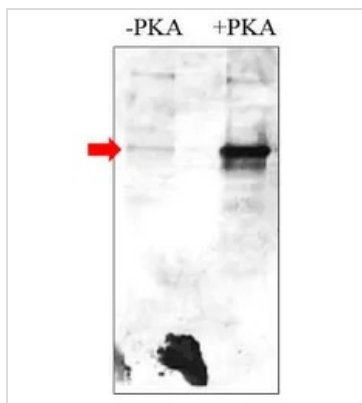
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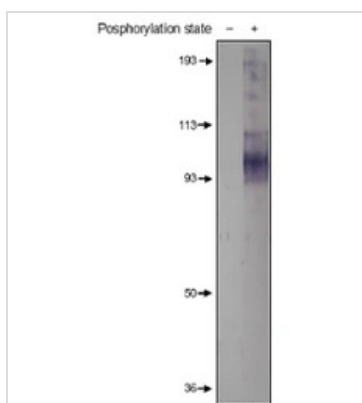
**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTX60930 WB Image**

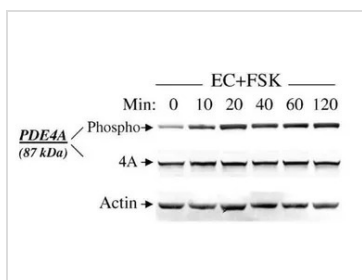
WB analysis of PDE4A5 recombinant protein with or without PKA-dependent phosphorylation using GTX60930 PDE4A (phospho Ser140) antibody.

Dilution : 1:500


**GTX60930 WB Image**

WB analysis of phosphorylated and nonphosphorylated PDE4D protein using GTX60930 PDE4A (phospho Ser140) antibody.

Dilution : 1:500


**GTX60930 WB Image**

WB analysis of increased phosphorylation of PDE4AG in short-term FSK stimulation using GTX60930 PDE4A (phospho Ser140) antibody.



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