

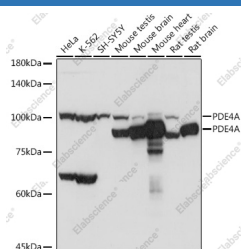
PDE4A Polyclonal Antibody

catalog number: E-AB-92180

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human PDE4A
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:1000-1:2000
IHC	1:50-1:200
IF	1:50-1:200

Data

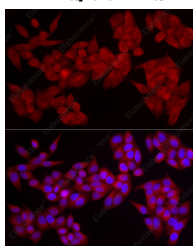


Western blot analysis of extracts of various cell lines using PDE4A Polyclonal Antibody at 1:1000 dilution.

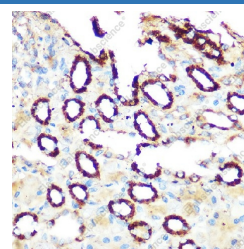
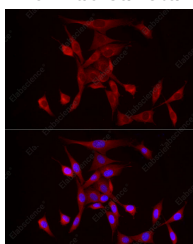
Observed-MW:80 kDa/110 kDa

Calculated-MW:98 kDa/95 kDa/76 kDa/72 kDa/37 kDa/91

kDa/96 kDa

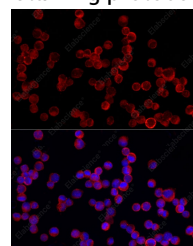


Immunofluorescence analysis of HeLa cells using PDE4A Polyclonal Antibody at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.

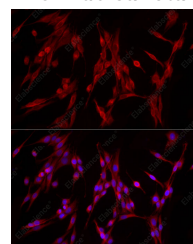


Immunohistochemistry of paraffin-embedded rat kidney using PDE4A Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

staining protocol.



Immunofluorescence analysis of K-562 cells using PDE4A Polyclonal Antibody at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



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Immunofluorescence analysis of NIH/3T3 cells using PDE4A Polyclonal Antibody at dilution of 1:20 (40x lens).
Blue: DAPI for nuclear staining.

Immunofluorescence analysis of PC-12 cells using PDE4A Polyclonal Antibody at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

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