

PDE10A Polyclonal Antibody

Catalog Number PA5-31293

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * 1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 547 and 779 of Human PDE10A	Western Blot (WB)	1:500-1:20,000
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1.97 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.025% ProClin 300		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: HCT116, mouse brain, rat brain, Myc-DDK-tagged PDE10A-transfected 293T. Predicted reactivity: Mouse (98%), Rat (98%), Zebrafish (84%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Various cellular responses are regulated by the second messengers cAMP and cGMP. Phosphodiesterases, such as PDE10A, eliminate cAMP- and cGMP-mediated intracellular signaling by hydrolyzing the cyclic nucleotide to the corresponding nucleoside 5-prime monophosphate.

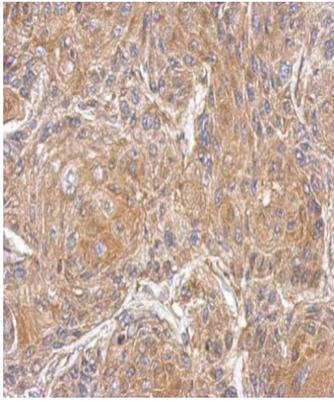
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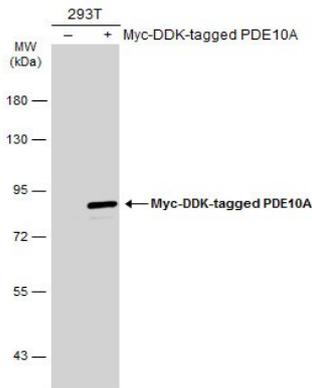
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Product Images For PDE10A Polyclonal Antibody



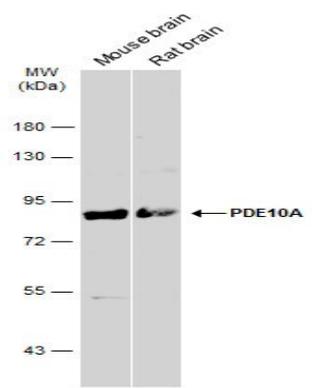
PDE10A Antibody (PA5-31293) in IHC (P)

Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using PDE10A (Product # PA5-31293) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



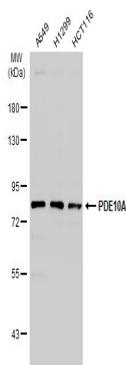
PDE10A Antibody (PA5-31293) in WB

Western Blot analysis of PDE10A was performed by separating 30 µg of non-transfected (-) and transfected (+) 293T whole cell extracts by 5% SDS-PAGE. Proteins were transferred to a membrane and probed with a PDE10A Polyclonal Antibody (Product # PA5-31293) at a dilution of 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



PDE10A Antibody (PA5-31293) in WB

Western Blot analysis of PDE10A was performed by separating 50 µg of Various tissue extracts by 7.5% SDS-PAGE. Proteins were transferred to a membrane and probed with a PDE10A Polyclonal Antibody (Product # PA5-31293) at a dilution of 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



PDE10A Antibody (PA5-31293) in WB

Western Blot using PDE10A Polyclonal Antibody (Product # PA5-31293). Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PDE10A Polyclonal Antibody (Product # PA5-31293) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

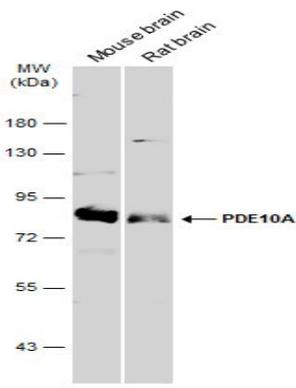
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PDE10A Antibody (PA5-31293) in WB

Western Blot using PDE10A Polyclonal Antibody (Product # PA5-31293). Various tissue extracts (50 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with PDE10A Polyclonal Antibody (Product # PA5-31293) diluted at 1:3,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



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