

PDE4B/C/D rabbit pAb**Cat#: orb766037 (Manual)**

For research use only. Not intended for diagnostic use.

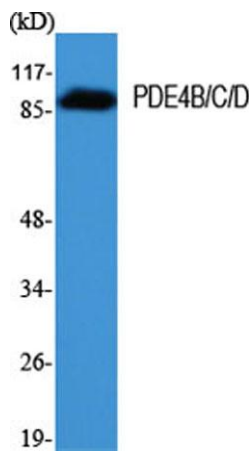
Product Name	PDE4B/C/D rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PDE4D. AA range:156-205
Specificity	PDE4B/C/D Polyclonal Antibody detects endogenous levels of PDE4B/C/D protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
Gene Name	PDE4B/PDE4C/PDE4D
Cellular localization	[Isoform PDE4B5]: Cytoplasm . Cell membrane .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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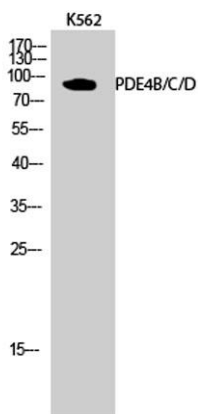
Concentration	1 mg/ml
Observed band	76kD
Human Gene ID	5144/5142/5143
Human Swiss-Prot Number	Q07343/Q08493/Q08499
Alternative Names	PDE4B; DPDE4; cAMP-specific 3', 5'-cyclic phosphodiesterase 4B; DPDE4; PDE32; PDE4C; DPDE1; cAMP-specific 3',5'-cyclic phosphodiesterase 4C; DPDE1; PDE21; PDE4D; DPDE3; cAMP-specific 3',5'-cyclic phosphodiesterase 4D; DPDE3; PDE43

Background

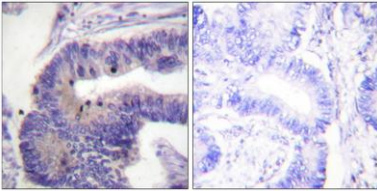
This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. The encoded protein regulates the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014],



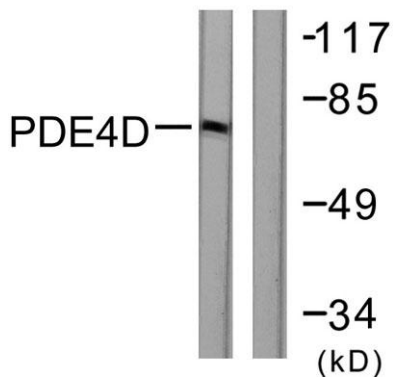
Western Blot analysis of various cells using PDE4B/C/D Polyclonal Antibody



Western Blot analysis of K562 cells using PDE4B/C/D Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using PDE4D Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, treated with H₂O₂ 100uM 30', using PDE4D Antibody. The lane on the right is blocked with the synthesized peptide.