

Anti-PDE4B/C/D Antibody

Catalog # AP53693

Product Information

Application	WB
Primary Accession	Q07343
Other Accession	Q08493 , Q08499
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83343

Additional Information

Gene ID	5142
Other 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
Target/Specificity	Recognizes endogenous levels of PDE4B/C/D protein.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

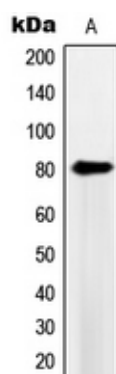
Protein Information

Name	PDE4B (HGNC:8781)
Synonyms	DPDE4
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed: 15260978). May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.
Cellular Location	[Isoform PDE4B5]: Cytoplasm. Cell membrane
Tissue Location	Expressed in brain, heart, lung and skeletal muscle (PubMed:17519386). Expressed in white blood cells (PubMed:8392015)

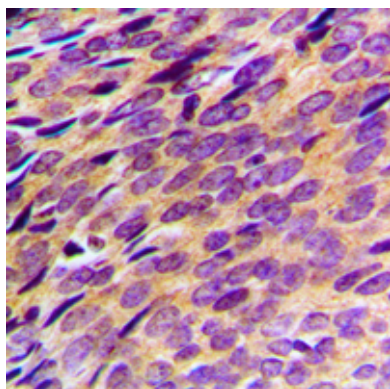
Background

Rabbit polyclonal antibody to PDE4B/C/D

Images



Western blot analysis of PDE4B/C/D expression in HeLa (A) whole cell lysates.



Immunohistochemical analysis of PDE4B/C/D staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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