

PDE4B/C/D Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51417

Product Information

Application	WB
Primary Accession	Q07343
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83343

Additional Information

Gene ID	5142
Other Names	cAMP-specific 3', 5'-cyclic phosphodiesterase 4B, DPDE4, PDE32, PDE4B, DPDE4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PDE4B/C/D. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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)

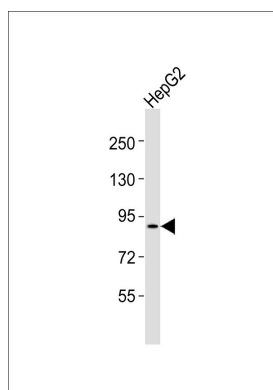
Background

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.

References

Oberholte R., et al. *Gene* 129:239-247(1993).
Bolger G., et al. *Mol. Cell. Biol.* 13:6558-6571(1993).
Huston E., et al. *Biochem. J.* 328:549-558(1997).
McLaughlin M.M., et al. *J. Biol. Chem.* 268:6470-6476(1993).
Cheung Y.F., et al. *J. Pharmacol. Exp. Ther.* 322:600-609(2007).

Images



Anti-PDE4B/C/D Antibody at 1:1000 dilution + HepG2 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.