

Anti-PDE2A Antibody (3F805)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3F805
Purification:	Affinity-chromatography

Applications

Verified Activity:	Immunofluorescence staining of HepG2 cell with TMAH-00867 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 569-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).
Application:	ELISA,IF
Recommended	IF:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human PDE2A
Antigen Species:	Human
Gene ID:	5138
Uniprot ID:	O00408
Synonyms:	PDE2A1;PED2A4;CGS-PDE;cGSPDE;phosphodiesterase 2A, cGMP-stimulated
Biology Area:	Signal transduction

Research Background

Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Plays an important role in growth and invasion of malignant melanoma cells (e.g. pseudomyxoma peritonei (PMP) cell line). Regulates mitochondrial cAMP levels and respiration. Involved in the regulation of mitochondria morphology/dynamics and apoptotic cell death via local modulation of cAMP/PKA signaling in the mitochondrion, including the monitoring of local cAMP levels at the outer mitochondrial membrane and of PKA-dependent phosphorylation of DNMT1L.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481