

Anti-PDE4D antibody

Cat. No.	ml221118
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PDE4D rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human PDE4D
Reactivity	Human
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PDE4D
Full name	phosphodiesterase 4D, cAMP-specific

Synonyms DPDE3; PDE43; STRK1; ACRDYS2; HSPDE4D; PDE4DN2

Swissprot Q08499

Target Background

This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins.

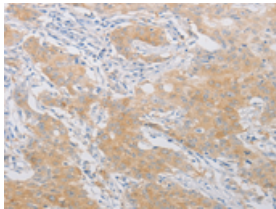
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human gasrtic cancer

Recommended dilution: 25-100

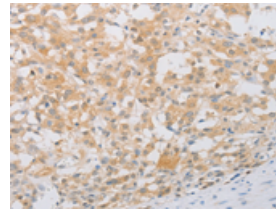


The image on the left is immunohistochemistry of paraffin-embedded Human gasrtic cancer tissue using ml221118(PDE4D Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221118(PDE4D Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:91 kDa

Positive control:Human bladder carcinoma and brain malignant glioma tissue, A172 cells, human fetal brain tissue and hela cells

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

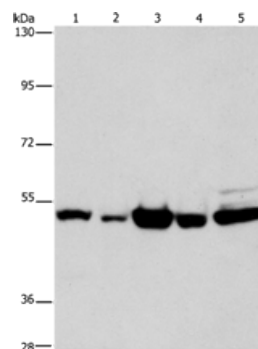
Lysate: 40 µg

Lane 1-5: Human bladder carcinoma tissue, Human brain malignant glioma tissue,
A172 cells, human fetal brain tissue, hela cells

Primary antibody: ml221118(PDE4D Antibody) at dilution 1/450

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution: 2000-5000

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