

PDE4D Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13083**Specification**

PDE4D Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	Q08499
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	91kDa KDa

PDE4D Antibody (C-Terminus) - Additional Information**Gene ID** 5144**Other Names**

cAMP-specific 3', 5'-cyclic phosphodiesterase 4D, 3.1.4.53, DPDE3, PDE43, PDE4D, DPDE3

Target/Specificity

Human PDE4D. This antibody is expected to recognize all reported isoforms.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PDE4D Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE4D Antibody (C-Terminus) - Protein Information**Name** PDE4D ([HGNC:8783](#))**Synonyms** DPDE3**Function**

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.

Cellular Location

Apical cell membrane. Cytoplasm. Membrane. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Found in the soluble fraction, associated with membranes, and associated with the cytoskeleton and the centrosome (By similarity) Colocalized with SHANK2 to the apical membrane of colonic crypt cells

Tissue Location

Expressed in colonic epithelial cells (at protein level). Widespread; most abundant in skeletal

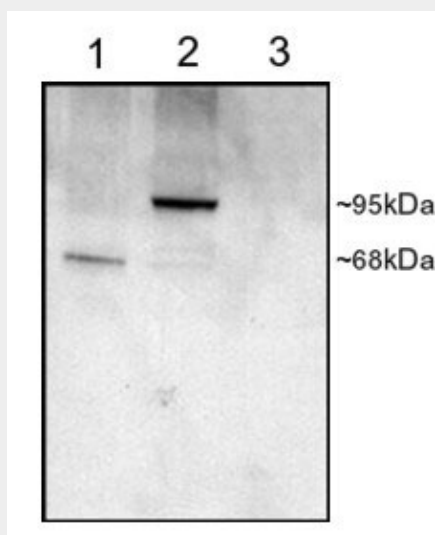
muscle [Isoform 8]: Detected in brain, placenta, lung and kidney.

PDE4D Antibody (C-Terminus) - Protocols

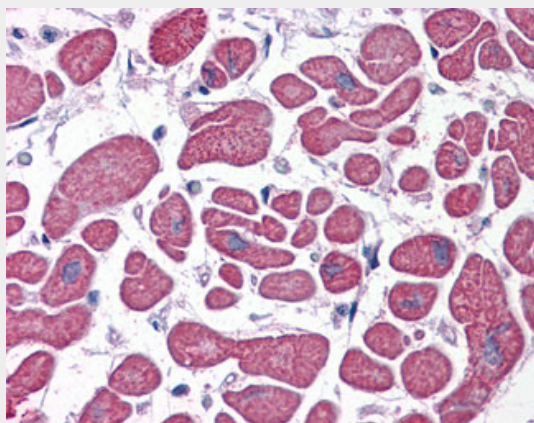
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

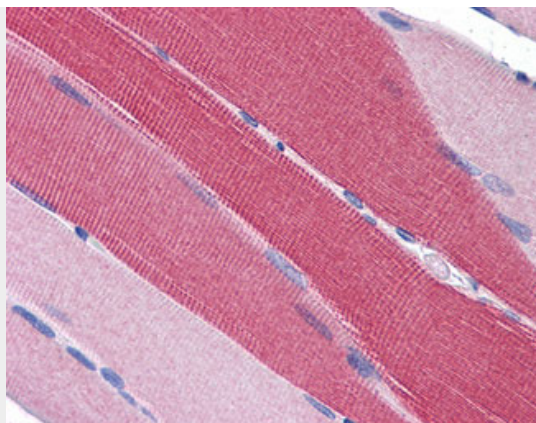
PDE4D Antibody (C-Terminus) - Images



Antibody staining (1 ug/ml) of COS cell lysates (25 ug protein): transfected with Human PDE4D1...



Anti-PDE4D antibody IHC of human heart.



Anti-PDE4D antibody IHC of human skeletal muscle.

PDE4D Antibody (C-Terminus) - Background

Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.

PDE4D Antibody (C-Terminus) - References

- Bolger G.,et al.Mol. Cell. Biol. 13:6558-6571(1993).
Nemoz G.,et al.FEBS Lett. 384:97-102(1996).
Baecker P.A.,et al.Gene 138:253-256(1994).
Bolger G.B.,et al.Biochem. J. 328:539-548(1997).
Miro X.,et al.Biochem. Biophys. Res. Commun. 274:415-421(2000).