

Rabbit PDE4D Polyclonal Antibody | anti-PDE4D antibody

PDE4D Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75646	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, ELISA

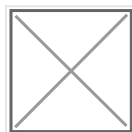
PRODUCT SYNONYMS

PDE4D; Polyclonal Antibody; PDE4D Antibody; cAMP specific 3'; 5' cyclic phosphodiesterase 4D; DKFZp686M11213; 5"-cyclic phosphodiesterase 4D; cAMP specific phosphodiesterase PDE4D; cAMP specific phosphodiesterase PDE4D6; DPDE 3; Duncce like phosphodiesterase E3; FLJ97311; HSPDE4D; PDE 43; PDE4DN2; Phosphodiesterase 4D cAMP specific (duncce (Drosophila) homolog phosphodiesterase E3); Drosophila; STRK1 antibody; anti-PDE4D antibody

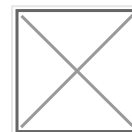
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody labels all PDE4D proteins including PDE4D1, PDE4D2, PDE4D3, PDE4D4, and PDE4D5 variants. Does not cross react with PDE4A, PDE4B, PDE4D6, PDE4D7, PDE4D8, PDE4D9, OR PDE4C.
Form/Format	Affinity Purified
Concentration	0.57 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	736
Applicable Applications for anti-PDE4D antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA
Immunogen	C-terminal cyclic peptide unique to all PDED subtypes variants.
Expression	Expressed in colonic epithelial cells (at protein level). Widespread; most abundant in skeletal muscle. Isoform 6 is detected in brain. Isoform 8 is detected in brain, placenta, lung and kidney. Isoform 7 is detected in heart and skeletal muscle.
Molecular Function	Hydrolase, 3', 5'-cyclic-AMP phosphodiesterase activity, cAMP binding
Structure	Homodimer for the long isoforms. Isoforms with truncated N-termini are monomeric. Isoform 3 is part of a ternary complex containing PRKAR2A, PRKAR2B and AKAP9. Interacts with PDE4DIP. Identified in a complex composed of RYR1, PDE4D, PKA, FKBP1A and protein phosphatase 1 (PP1).
Subcellular Location	Apical cell membrane, Cytoplasm, Membrane
Preparation and Storage	-20• degree C for long term storage

IMAGES



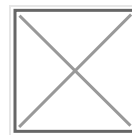
Application Data



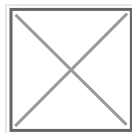
IHC (Immunohistochemistry)



WB (Western Blot)



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4D antibody	Affinity Purified Phosphodiesterase 4D Antibody Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.
Product Categories/Family for anti-PDE4D antibody	Primary Antibodies; Signal Transduction; Second Messengers; cAMP; PDE4D Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	729163
NCBI GeneID	5142
UniProt Accession #	Q07343; O15443; Q13945; Q5TEK4; Q5TEK5; Q5TEK6; A5YW33
Molecular Weight	57,709 Da
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
NCBI Official Synonym Full Names	phosphodiesterase 4B
NCBI Official Symbol	PDE4B
NCBI Official Synonym Symbols	DPDE4; PDEIVB
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
UniProt Gene Name	PDE4B
UniProt Synonym Gene Names	DPDE4
UniProt Entry Name	PDE4B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pde4d-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-elisa/75646>