

PDE4D Antibody | anti-PDE4D antibody

PDE4D (Phospho-Ser190/53) Antibody

CATALOG # AAA267451	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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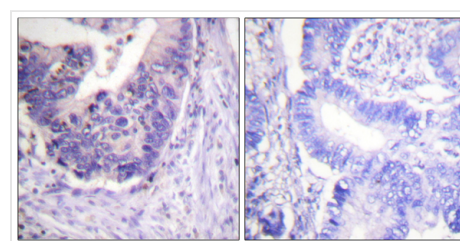
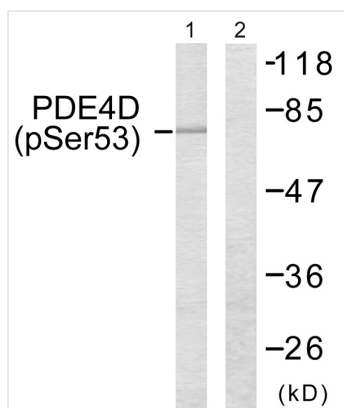
PRODUCT SYNONYMS

PDE4D; PDE4D (Phospho-Ser190/53) Antibody; DPDE3; EC 3.1.4.17; PDE43; PDE4D4; cAMP-specific 3'; 5'-cyclic phosphodiesterase 4D; anti-PDE4D antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	PDE4D (Phospho-Ser190/53) antibody detects endogenous levels of PDE4D only when phosphorylated at serine 190/53.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	809
Applicable Applications for anti-PDE4D antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human PDE4D around the phosphorylation site of serine 190/53 (R-E-SP-F-L).
All Sites	Human: Ser190 Mouse: Ser129 Rat: Ser185
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using PDE4D (Phospho-Ser190/53) antibody. Western blot analysis of extracts from K562 cells, treated with H₂O₂ (100uM, 30mins), using PDE4D (Phospho-Ser190/53) antibody.

ADDITIONAL INFORMATION

References	Simon J. MacKenzie, J. Biol. Chem., May 2000; 275: 16609. CÉLINE MÉHATS, FASEB J, Oct 2003; 17: 1831. Guénaëlle Levallet, Biol Reprod, May 2007; 76: 794-803. Daniel Peter, J. Immunol., Apr 2007; 178: 4820-4831.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157277988
NCBI GeneID	5144
NCBI Accession #	NP_001098101.1
NCBI GenBank Nucleotide #	NM_001104631.1
UniProt Accession #	Q08499; O43433; Q13549; Q13550; Q13551; Q7Z2L8; Q8IV84; Q8IVA9; Q8IVD2; Q8IVD3; Q96HL4; Q9HCX7
Molecular Weight	24,429 Da
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4D isoform PDE4D4
NCBI Official Synonym Full Names	phosphodiesterase 4D
NCBI Official Symbol	PDE4D
NCBI Official Synonym Symbols	DPDE3; PDE43; STRK1; ACRDYS2; HSPDE4D; PDE4DN2
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4D
UniProt Gene Name	PDE4D
UniProt Synonym Gene Names	DPDE3

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.