

Product datasheet for **TA351507S**

PDE4D Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela cells IHC: 25-100 Positive control: Human prostate cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PDE4D
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	91 kDa
Gene Name:	phosphodiesterase 4D
Database Link:	NP_006194 Entrez Gene 5144 Human Q08499
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.
Synonyms:	ACRDYS2; DPDE3; HSPDE4D; PDE4DN2; PDE43; STRK1

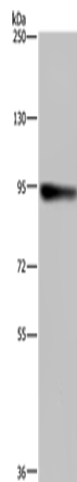


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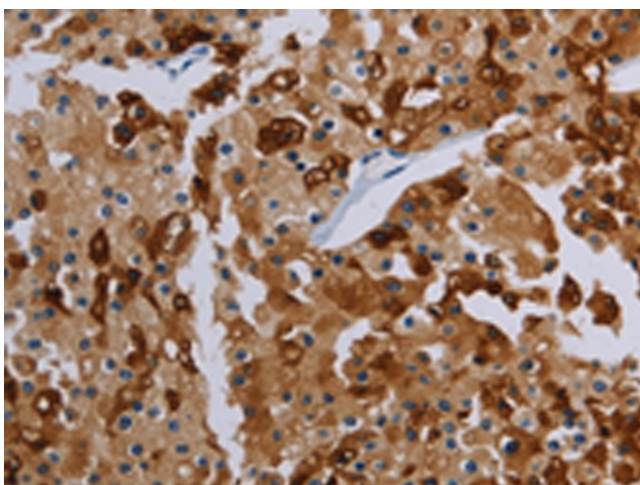
Protein Families: Druggable Genome

Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

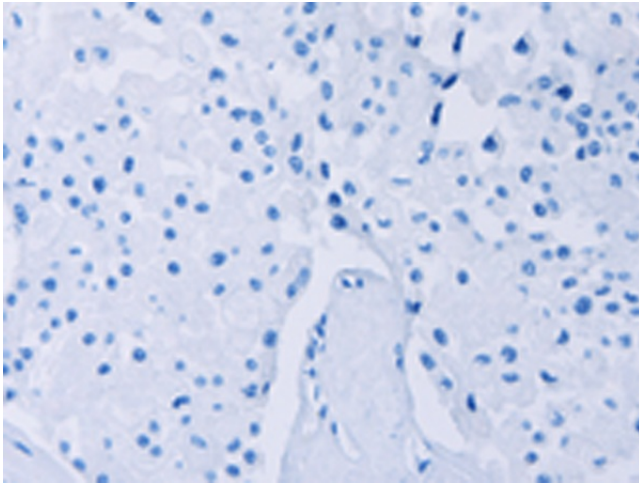
Product images:



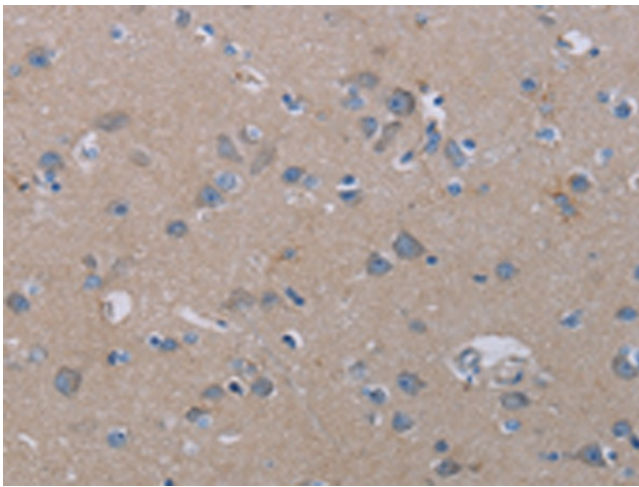
Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane: HeLa cells
Primary antibody: [TA351507] (PDE4D Antibody)
at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 1 minute



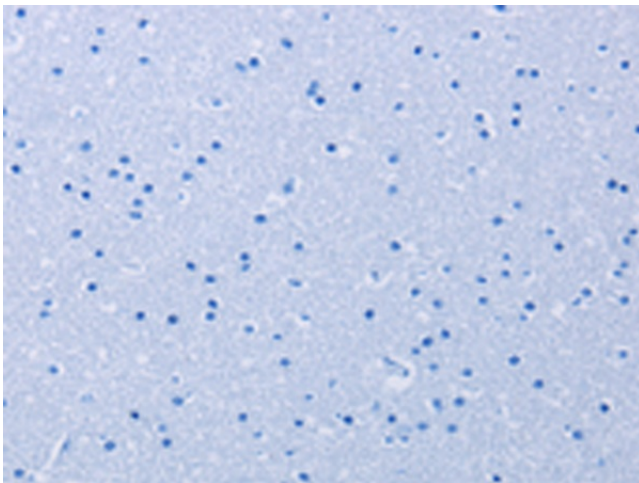
Immunohistochemistry of paraffin-embedded
Human prostate cancer tissue using [TA351507]
(PDE4D Antibody) at dilution 1/20 (Original
magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA351507] (PDE4D Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351507] (PDE4D Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351507] (PDE4D Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: ×200)