

Datasheet for ABIN7155164
anti-PDE8A antibody (AA 596-829)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PDE8A
Binding Specificity:	AA 596-829
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE8A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A protein (596-829AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	PDE8A
Alternative Name:	PDE8A (PDE8A Products)
Background:	Background: Hydrolyzes the second messenger cAMP, which is a key regulator of many

Target Details

important physiological processes (PubMed:18983167). May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development (PubMed:18983167). Binding to RAF1 reduces RAF1 'Ser-259' inhibitory-phosphorylation and stimulates RAF1-dependent EGF-activated ERK-signaling (PubMed:23509299). Protects against cell death induced by hydrogen peroxide and staurosporine (PubMed:23509299).

Aliases: 5"-cyclic phosphodiesterase 8A antibody, cAMP specific cyclic nucleotide phosphodiesterase 8A antibody, FLJ16150 antibody, High affinity cAMP specific and IBMX-insensitive 3'5' cyclic phosphodiesterase 8A antibody, High affinity cAMP-specific and IBMX-insensitive 3" antibody, HsT19550 antibody, PDE 8A antibody, PDE8A antibody, PDE8A_HUMAN antibody, Phosphodiesterase 8A antibody, Phosphodiesterase8A antibody, Weakly similar to 3'5' cyclic nucleotide phosphodiesterase antibody

UniProt: [O60658](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

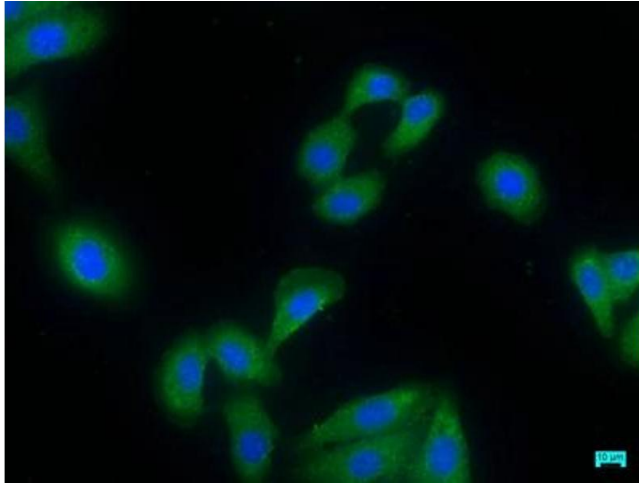
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

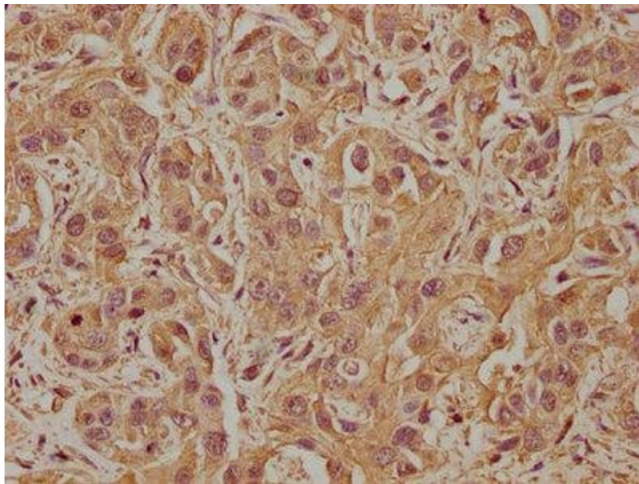
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7155164 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7155164 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.