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Datasheet for ABIN7155177
anti-PDE9A antibody (AA 426-533) (FITC)

Overview

Quantity:	100 µg
Target:	PDE9A
Binding Specificity:	AA 426-533
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE9A antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A protein (426-533AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PDE9A
Alternative Name:	PDE9A (PDE9A Products)
Background:	Background: Specifically hydrolyzes the second messenger cGMP, which is a key regulator of

Target Details

many important physiological processes. Highly specific: compared to other members of the cyclic nucleotide phosphodiesterase family, has the highest affinity and selectivity for cGMP (PubMed:9624146, PubMed:18757755, PubMed:21483814). Specifically regulates natriuretic-peptide-dependent cGMP signaling in heart, acting as a regulator of cardiac hypertrophy in myocytes and muscle. Does not regulate nitric oxide-dependent cGMP in heart (PubMed:25799991). Additional experiments are required to confirm whether its ability to hydrolyze natriuretic-peptide-dependent cGMP is specific to heart or is a general feature of the protein (Probable). In brain, involved in cognitive function, such as learning and long-term memory (By similarity).

Aliases: 5"-cyclic phosphodiesterase 9A antibody, cGMP specific 3' 5' cyclic phosphodiesterase type 9 antibody, FLJ90181 antibody, High affinity cGMP-specific 3" antibody, High-affinity cGMP-specific 3'5'-cyclic phosphodiesterase 9A antibody, HSPDE9A2 antibody, OTTHUMP00000109399 antibody, PDE 9A antibody, Pde9a antibody, PDE9A_HUMAN antibody, Phosphodiesterase 9A antibody, phosphodiesterase PDE9A21 antibody

UniProt: [O76083](#)

Application Details

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.