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Datasheet for ABIN5705074
anti-PDE9A antibody

Overview

Quantity:	100 µg
Target:	PDE9A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE9A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	phosphodiesterase 9A
Isotype:	IgG

Target Details

Target:	PDE9A
Alternative Name:	PDE9A (PDE9A Products)
Background:	Synonyms:HSPDE9A2, PDE9A, phosphodiesterase 9A Background:Specifically hydrolyzes the second messenger cGMP, which is a key regulator of 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

Target Details

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).

Gene ID: 5152

UniProt: [O76083](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab06263(PDE9A Antibody) at dilution of 1:300

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months