



PDE9A rabbit pAb

货号	YP-Ab-18211
同位型	IgG
应用	WB
种属	Human;Mouse
靶点	PDE9A
基因名称	PDE9A
蛋白名称	High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A (EC 3.1.4.35)
免疫原	Synthesized peptide derived from human PDE9A
特异性	This antibody detects endogenous levels of PDE9A at Human, Mouse
组成	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
来源	Polyclonal, Rabbit,IgG
稀释	WB 1:500-2000
纯化工艺	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
分子量	65kD
功能	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 . 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 . 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).
细胞定位	[Isoform PDE9A1]: Cell projection, ruffle membrane . Cytoplasm, perinuclear region . Golgi apparatus . Endoplasmic reticulum . Cell membrane, sarcolemma .; [Isoform PDE9A2]: Cell projection, ruffle membrane . Cytoplasm, perinuclear region .; [Isoform PDE9A3]: Cytoplasm . Endoplasmic reticulum .; [Isoform PDE9A17]: Cytoplasm . Endoplasmic reticulum .
组织表达	Expressed in all tissues examined (testis, brain, small intestine, skeletal muscle, heart, lung, thymus, spleen, placenta, kidney, liver, pancreas, ovary and prostate) except blood (PubMed:9624146). Highest levels in brain, heart, kidney, spleen, prostate and colon. Isoform PDE9A12 is fo
浓度	1 mg/ml
储存	-15°C to -25°C/1 year(Do not lower than -25°C)
有关注意事项	Avoid repeated freezing and thawing!



使用建议

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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