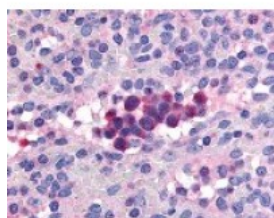




PDE9A Antibody

CATALOG NUMBER: 48-318



Immunohistochemistry staining of PDE9A
in spleen tissue using PDE9A Antibody.

Specifications

SPECIES REACTIVITY:	Dog, Gibbon, Human, Monkey
TESTED APPLICATIONS:	IHC
APPLICATIONS:	PDE9A antibody can be used in ELISA, Western Blot, immunohistochemistry starting at 5 ug/mL, and immunofluorescence starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
IMMUNOGEN:	PDE9A antibody was raised against a peptide located near the internal domain of PDE9A (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.1% sodium azide.
STORAGE CONDITIONS:	PDE9A antibody should be stored long term (months) at -80 °C and short term (days) at 4 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PDE9A, Pde9A1, Pde9a2, Pde9a3, Pde9a4, Phosphodiesterase 9A, Phosphodiesterase PDE9A21, HSPDE9A2
ACCESSION NO.:	O76083
PROTEIN GI NO.:	6166014
OFFICIAL SYMBOL:	PDE9A
GENE ID:	5152

Background

BACKGROUND:	Phosphodiesterase 9A is a cGMP-specific phosphodiesterase. PDE9A activity is inhibited by zaprinast, but it is
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insensitive to rolipram, vinpocetine, SKF-94120, dipyridamole, and IBMX. More than 20 alternatively spliced variants have been reported (Rentero et al. 2003). PDE9A has been implicated in penile erectile dysfunction, as well as in functional disturbances in which intraneuronal signal transmission via second messengers are important in the pathophysiology (example, bipolar affective disorder). PDE9A is the only cGMP-specific PDE with significant expression in the forebrain, and as such is likely to function in NO-cGMP signaling.

FOR RESEARCH USE ONLY

December 13, 2016