

DREAM (phospho Ser63) rabbit pAb

Cat No.:ES5734

For research use only

Overview

Product Name	DREAM (phospho Ser63) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Calsenilin/KCNIP3 around the phosphorylation site of Ser63. AA range:29-78
Specificity	Phospho-DREAM (S63) Polyclonal Antibody detects endogenous levels of DREAM protein only when phosphorylated at S63.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calsenilin
Gene Name	KCNIP3
Cellular localization	Cytoplasm . Cell membrane ; Lipid-anchor . Endoplasmic reticulum . Golgi apparatus . Nucleus . Also membrane-bound, associated with the plasma membrane (PubMed:15485870). In the presence of PSEN2 associated with the endoplasmic reticulum and Golgi. The sumoylated form is present only in the nucleus. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	29kD





Human Gene ID

30818

Human Swiss-Prot Number

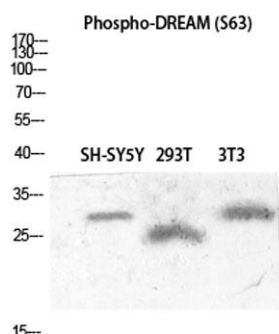
Q9Y2W7

Alternative Names

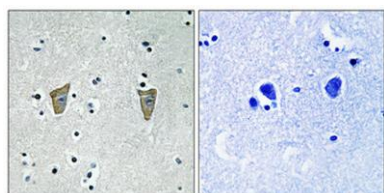
KCNIP3; CSEN; DREAM; KCHIP3; Calsenilin; A-type potassium channel modulatory protein 3; DRE-antagonist modulator; DREAM; Kv channel-interacting protein 3; KChIP3

Background

This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of this family are small calcium binding proteins containing EF-hand-like domains. They are integral subunit components of native Kv4 channel complexes that may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. The encoded protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008],



Western blot analysis of SH-SY5Y 293T 3T3 lysis using Phospho-DREAM (S63) antibody. Antibody was diluted at 1:500



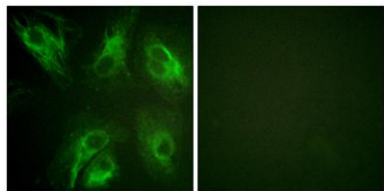
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



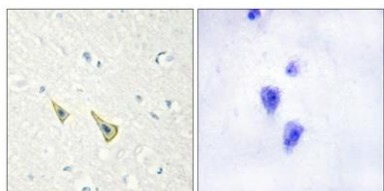


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Immunofluorescence analysis of HeLa cells, using Calsenilin/KCNIP3 (Phospho-Ser63) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Calsenilin/KCNIP3 (Phospho-Ser63) Antibody. The picture on the right is blocked with the phospho peptide.



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