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Datasheet for ABIN2777506

anti-DREAM antibody (N-Term)





Publication



Go to Product page

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Quantity:	100 μL	
Target:	DREAM (KCNIP3)	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Pig	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This DREAM antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	
Product Natails		

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CSEN
Sequence:	STVRHQPEGL DQLQAQTKFT KKELQSLYRG FKNECPTGLV DEDTFKLIYA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against CSEN. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target: DREAM (KCNIP3)

Target Details

Alternative Name:	CSEN (KCNIP3 Products)	
Background:	CSEN is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins	
	(KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the	
	KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ	
	from each other in the N-terminus. They are integral subunit components of native Kv4 channel	
	complexes. They may regulate A-type currents, and hence neuronal excitability, in response to	
	changes in intracellular calcium. The protein encoded by this gene is also shown to function as	
	a calcium-regulated transcriptional repressor, and to interact with presenilins. Mutations in the	
	presenilin genes have been implicated in Alzheimer's disease.	
	Alias Symbols: CSEN, DREAM, KCHIP3	
	Protein Interaction Partner: MAVS, CD177, IGLV3-25, IL6ST, IGF1R, KCND2, CLN3, CALM2,	
	KCNIP3, PPP3CA, GRK6, ADRBK1, UBE2I, UBC, PCBD2, TARBP2, PSEN2, CASP3, CREM, CREB1,	
	PSEN1, CRK,	
	Protein Size: 256	
Molecular Weight:	29 kDa	
Gene ID:	30818	
NCBI Accession:	NM_013434, NP_038462	
UniProt:	Q9Y2W7	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 256 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

Handling

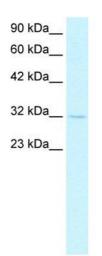
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

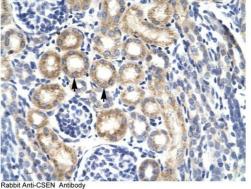
Ursini, Cavalleri, Fazio, Angrisano, Iacovelli, Porcelli, Maddalena, Punzi, Mancini, Gelao, Romano, Masellis, Calabrese, Rampino, Taurisano, Di Giorgio, Keller, Tarantini, Sinibaldi, Quarto et al.: "BDNF rs6265 methylation and genotype interact on risk for schizophrenia. ..." in: **Epigenetics**, Vol. 11, Issue 1, pp. 11-23, (2016) (PubMed).

Images



Western Blotting

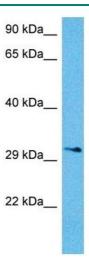
Image 1. WB Suggested Anti-CSEN Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate



Rabbit Anti-CSEN Antibody
Catalog Number: ARP31932
Lot Number: CG1618
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 μg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human kidney



Western Blotting

Image 3. Host: Mouse Target Name: KCNIP3 Sample

Tissue: Mouse Brain Antibody Dilution: 1ug/ml