Datasheet for ABIN1386520

anti-CASK antibody (AA 651-750)

Go to Product page

1 Image

Overview

Quantity:	100 µL
Target:	CASK
Binding Specificity:	AA 651-750
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASK antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CASK
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CASK

Target Details

Alternative Name:	CASK (CASK Products)
Background:	Synonyms: CAGH39, Caki, Calcium/calmodulin dependent serine protein kinase, Calcium/calmodulin dependent serine protein kinase MAGUK family, Calcium/calmodulin dependent serine protein kinase membrane associated guanylate kinase, Calcium/calmodulin-dependent serine protein kinase, CAMGUK, CAMGUK protein, CAMGUK, drosophila, homolog of antibody casK, CMG, CSKP_HUMAN, DXPri1, DXRib1, FGS4, hCASK, LIN 2, Lin 2 homolog, LIN2 antibody Lin2 homolog, MICPCH, MRXSNA, Pals3, Peripheral plasma membrane protein CASK, Protein lin-2 homolog, TNRC8, Trinucleotide repeat containing 8, Vertebtate LIN2 homolog. Background: The MAGUK (membrane-associated guanylate kinase homologs) family of proteins contain multiple protein-binding domains and are involved in cell junction organization, tumor suppression, and signaling. CASK (also designated LIN-2) belongs to a MAGUK subfamily which is characterized by a novel domain structure that consists of a calcium/calmodulin- dependent protein kinase domain followed by PDZ, SH3 and guanylate kinase-like (GUK) domains. CASK is expressed in rat brain where it binds to cell-surface proteins, such as neurexin and syndecan, and is thought to be involved in signaling at neuronal synapses. CASK translocates to the nucleus and interacts with Tbr-1 to form a complex, which binds to a specific DNA sequence (the T-element), and induces the expression of specific genes, including Reelin. CASK displays a transcription regulation function, which appears crucial for cerebrocortical development.
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

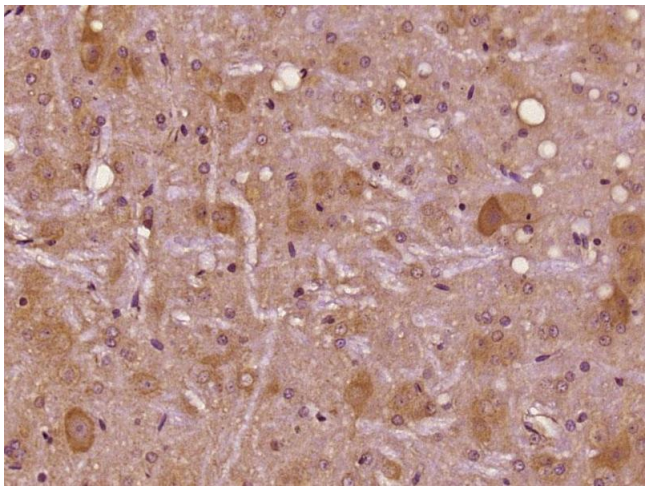
Handling

Format:	Liquid

Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Rat Brain; Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min; Antibody incubation with CASK/CAMGUK Polyclonal Antibody, Unconjugated (bs-11338R) at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.