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Datasheet for ABIN1390681  
**anti-CASK antibody (AA 651-750) (Biotin)**

### Overview

Quantity:	100 µL
Target:	CASK
Binding Specificity:	AA 651-750
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASK antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### 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
Alternative Name:	CASK ( <a href="#">CASK Products</a> )

## Target Details

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**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, Vertebrate 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 neuexin 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

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**Application Notes:** IHC-P 1:200-400  
IHC-F 1:100-500

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months