

Datasheet for ABIN7043020
anti-CASK antibody (Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	25 µL
Target:	CASK
Binding Specificity:	AA 277-290, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)KERDRYAYKIHLP, corresponding to amino acid residues 277-290 of mouse CASK
Isotype:	IgG
Characteristics:	Anti-CASK Antibody (ABIN7043020, ABIN7044534 and ABIN7044535)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize CASK from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

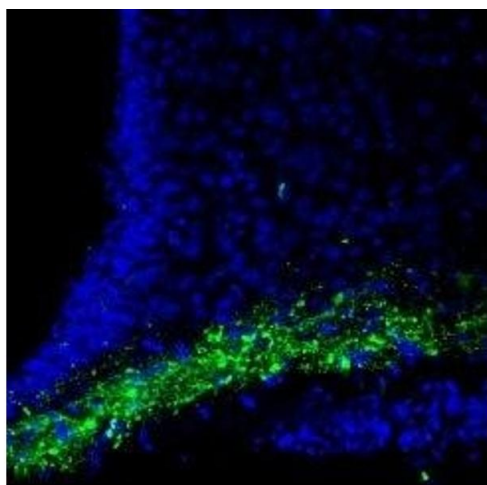
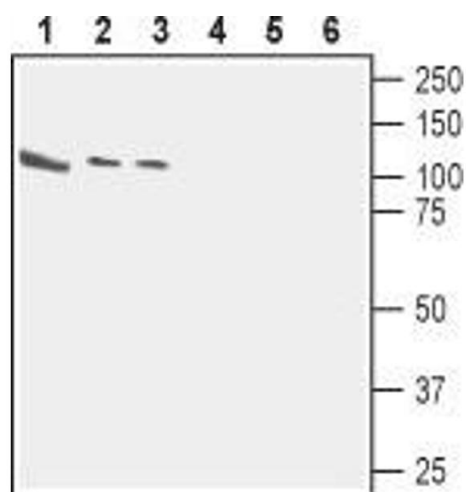
Target:	CASK
Alternative Name:	CASK (CASK Products)
Background:	Alternative names: CASK, Peripheral plasma membrane protein CASK, Calcium/calmodulin-dependent serine protein kinase, Membrane-associated guanylate kinase, CMG, CAMGUK, LIN2, TNRC8
Gene ID:	12361
NCBI Accession:	NM_003688
UniProt:	O70589
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 4), mouse brain (lanes 2 and 5) and human neuroblastoma (SH-SY5Y) (lanes 3 and 6) cell line lysates: - 1,2. Anti-CASK Antibody (ABIN7043020, ABIN7044534 and ABIN7044535), (1:400).3. Anti-CASK Antibody (1:200).4,5,6. Anti-CASK Antibody, preincubated with CASK Blocking Peptide (#BLP-IP018).

Immunohistochemistry

Image 2. Expression of CASK in rat hypothalamus - Immunohistochemical staining of rat hypothalamus free floating frozen sections using Anti-CASK Antibody (ABIN7043020, ABIN7044534 and ABIN7044535), (1:200). CASK staining (green) appears in fibers with varicosities (arrows) running from the ventromedial hypothalamus (VMH) along the base of the brain. Nuclei are stained using DAPI (blue).