

Anti-CASK Antibody

Catalog Number: A02468

About CASK

CASK (Calcium/calmodulin-dependent serine protein kinase), a conserved multi-domain scaffolding protein, belongs to a MAGUK (membrane-associated guanylate kinase homologs) subfamily and is involved in cell junction organization, tumor suppression and signaling. It 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 ubiquitously expressed and significantly greater in brain where it is thought to be involved in signaling at neuronal synapses. CASK interacts with CASKINs and defects in CASK are the cause of mental retardation X-linked CASK-related.

Overview

Product Name	Anti-CASK Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CASK Antibody (Catalog # A02468). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	CASK Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CASK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O14936

Technical Details

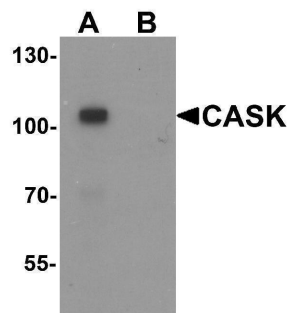
Immunogen	CASK antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human CASK. The immunogen is located within amino acids 760 - 810 of CASK.
Predicted Reactive Species	Bovine
Cross Reactivity	At least six alternatively spliced transcript variants have been observed.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CASK Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

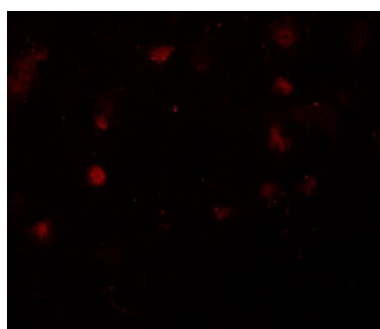
CASK antibody can be used for detection of CASK by Western blot at 1 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-CASK Antibody (A02468) Images



Western blot analysis of CASK in mouse brain tissue lysate with CASK antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of CASK in human brain tissue with CASK antibody at 20 ug/mL.

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Anti-CASK Antibody

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