

Datasheet for ABIN6260467

anti-Casein Kinase 1 gamma 2 antibody (C-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Casein Kinase 1 gamma 2 (CSNK1G2)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Casein Kinase 1 gamma 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Casein Kinase Igamma2, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Casein Kinase Igamma2 Antibody detects endogenous levels of total Casein Kinase Igamma2.
Predicted Reactivity:	Pig,Bovine,Sheep,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Casein Kinase 1 gamma 2 (CSNK1G2)
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Target Details

Alternative Name:	CSNK1G2 (CSNK1G2 Products)
Background:	<p>Description: Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates COL4A3BP/CERT, MTA1 and SMAD3. Involved in brain development and vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. Regulates fast synaptic transmission mediated by glutamate. SMAD3 phosphorylation promotes its ligand-dependent ubiquitination and subsequent proteasome degradation, thus inhibiting SMAD3-mediated TGF-beta responses. Hyperphosphorylation of the serine-repeat motif of COL4A3BP/CERT leads to its inactivation by dissociation from the Golgi complex, thus down-regulating ER-to-Golgi transport of ceramide and sphingomyelin synthesis. Triggers PER1 proteasomal degradation probably through phosphorylation.</p> <p>Gene: CSNK1G2</p>
Molecular Weight:	47kDa
Gene ID:	1455
UniProt:	P78368
Pathways:	Hedgehog Signaling

Application Details

Application Notes:	WB 1:1000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

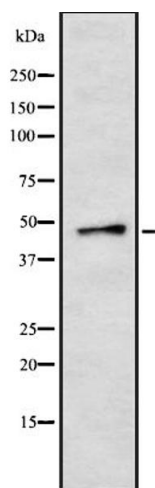
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

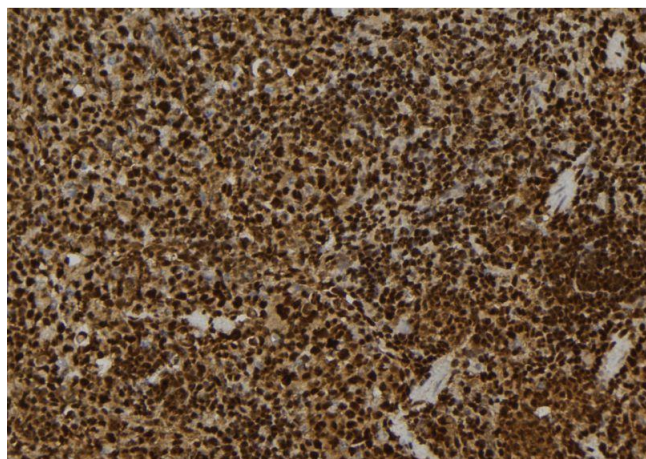
Expiry Date: 12 months

Images



Western Blotting

Image 1. Western blot analysis of Casein Kinase Igamma2 using HeLa whole cell lysates



Immunohistochemistry

Image 2. ABIN6272267 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.