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Datasheet for ABIN7266099
anti-CSNK1A1 antibody (AA 100-200)

3 Images

Overview

Quantity:	100 µL
Target:	CSNK1A1
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSNK1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Casein Kinase 1 alpha (CSNK1A1) Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human Casein Kinase 1 alpha (Casein Kinase 1 alpha (CSNK1A1)) (NP_001020276.1).
Sequence:	LFNFCSRRFT MKTVLMLADQ MISRIEYVHT KNFIHRDIKP DNFLMGIGRH CNKCLESPVG KRKRSMTVST SQDPSFSGLN QLFLIDFGLA KKYRDNRTQ H
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

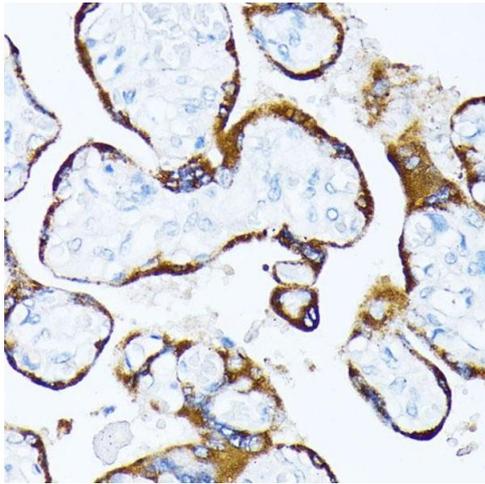
Target:	CSNK1A1
Alternative Name:	CSNK1A1 (CSNK1A1 Products)
Background:	<p>Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates CTNNB1 at 'Ser-45'. May phosphorylate PER1 and PER2. May play a role in segregating chromosomes during mitosis. May play a role in keratin cytoskeleton disassembly and thereby, it may regulate epithelial cell migration.,CSNK1A1,CK1,CK1a,CK1a,HEL-S-77p,HLCDGP1,PRO2975,Signal Transduction,Kinase,Serine/threonine kinases,Cell Biology & Developmental Biology,Hedgehog Signaling Pathway,Wnt/β-Catenin Signaling Pathway,Stem Cells,CSNK1A1</p>
Molecular Weight:	37kDa/38kDa/41kDa
Gene ID:	1452
UniProt:	P48729
Pathways:	WNT Signaling , Hedgehog Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

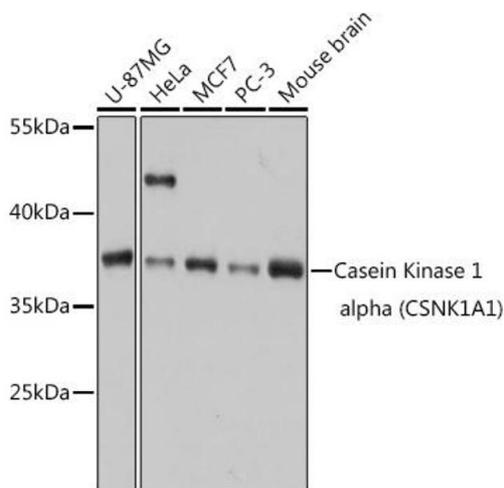
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



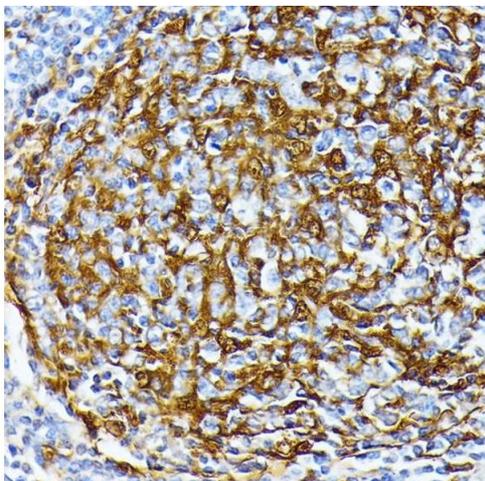
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta using Casein Kinase 1 alpha (Casein Kinase 1 alpha (CSNK1)) antibody (6225) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Casein Kinase 1 alpha (Casein Kinase 1 alpha (CSNK1)) antibody (6225) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human tonsil using Casein Kinase 1 alpha (Casein Kinase 1 alpha (CSNK1)) antibody (6225) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.