Datasheet for ABIN389526

anti-Caspase 9 antibody (pSer196)

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Overview

Quantity:	400 µL
Target:	Caspase 9 (CASP9)
Binding Specificity:	pSer196
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Phospho-Caspase 9-S196 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S196 of human caspase 9.
Clone:	RB6898
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Caspase 9 (CASP9)
Alternative Name:	Caspase 9 (CASP9 Products)

Target Details

Background:	Caspase 9 is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This protein is processed by caspase APAF1, this step is thought to be one of the earliest in the caspase activation cascade.
Molecular Weight:	46281
Gene ID:	842
NCBI Accession:	NP_001220, NP_001264983, NP_127463
UniProt:	P55211
Pathways:	MAPK Signaling, RTK Signaling, Apoptosis, Caspase Cascade in Apoptosis, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

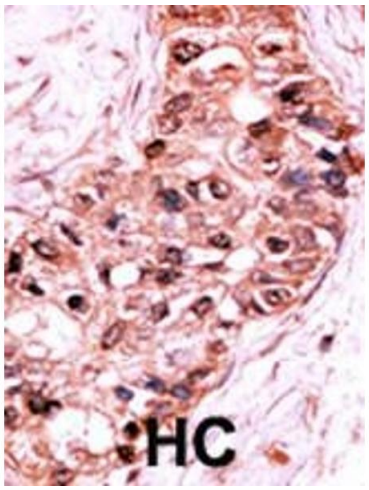
Publications

Product cited in:

Sangawa, Shintani, Yamao, Kamoshida: "Phosphorylation status of Akt and caspase-9 in gastric and colorectal carcinomas." in: **International journal of clinical and experimental pathology**, Vol. 7, Issue 6, pp. 3312-7, (2014) (PubMed).

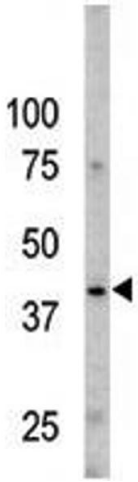
Castells, Milhas, Gandy, Thibault, Rafii, Delord, Couderc: "Microenvironment mesenchymal cells protect ovarian cancer cell lines from apoptosis by inhibiting XIAP inactivation." in: **Cell death & disease**, Vol. 4, pp. e887, (2014) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. The anti-Phospho-Caspase 9- Pab (ABIN389526 and ABIN2839575) is used in Western blot to detect Phospho-Caspase 9- in Y79 cell line lysates.