Datasheet for ABIN6288750

anti-Caspase 9 antibody

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Overview

Quantity:	50 µL
Target:	Caspase 9 (CASP9)
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Caspase-9 is a protein encoded by the CASP9 gene which is approximately 46,2 kDa. Caspase-9 is localised to the cytosol, mitochondrion and nucleus. It is involved in the TNFR1 pathway, RET signalling and apoptosis modulation and signalling. Caspase-9 exist as an inactive proenzyme which undergoes proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. It is involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Caspase-9 is ubiquitously expressed with highest expression in the heart. Mutations in the CASP9 gene may result in cerebral hypoxia and cervical cancer. STJ96979 was affinity purified. This monoclonal antibody binds endogenous caspase-9.
Immunogen:	Synthetic Peptide
Clone:	3-20
Isotype:	IgG1

Product Details

Specificity:	The antibody detects endogenous Caspase 9 protein.
Characteristics:	Mouse monoclonal to Caspase 9.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

Target Details

Target:	Caspase 9 (CASP9)
Alternative Name:	Caspase 9 (CASP9 Products)
Gene ID:	842
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 1:1000-5000 IP 1:200
Comment:	Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % 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:	-20 °C
Storage Comment:	Store at -20°C, and avoid repeat freeze-thaw cycles.