Datasheet for ABIN187518

anti-Caspase 7 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	Caspase 7 (CASP7)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 7 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide corresponding to amino acids 1 to 11 of the human caspase-7 enzyme.
Clone:	MCH3-14
Isotype:	IgG1
Sterility:	0.2 µm filtered

Target Details

Target:	Caspase 7 (CASP7)
Alternative Name:	Caspase-7 (CASP7 Products)
Background:	Caspases are key effectors of programmed cell death. Caspase-7 along with caspase 3 and 6 form the group of effector caspases that are responsible for the cleavage of multiple

Target Details

	substrates including the cytokeratins, PARP, alpha lodrin, NuMa and others. Caspase-7 is a 303 amino acid protein with high similarity to caspase-3. Caspase-7 is found in three variant forms. Granzyme B activates pro-caspase-7 to a form which can cleave PARP to its key fragment of about 85 kDa. Also, in vivo caspase-7 appears to be a better substrate for granzyme B than caspase-3. Pro-caspase-7 has been shown to exist as dimers or high order oligomers. Caspase-7 may be an important intracellular effector of granzyme B-medicated apoptosis and cytotoxic T-lymphocyte-induced cell killing in vivo.
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Western Blot The optimal dilution for a specific application should be determined by the researcher.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody against human Caspase-7 (cysteine-requiring aspartate protease-7). Available in 100 ul vials at a concentration of 1 mg/ml (100ug) in PBS with 0.08% sodium azide. The antibody is 0.2 um sterile filtered.
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