

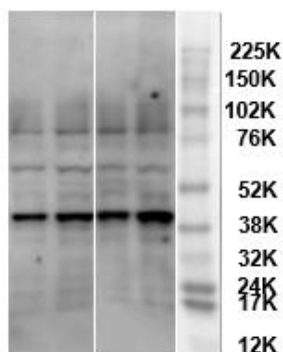
**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	Caspase-9, Human, clone 3-20		
<b>Catalog number</b>	HM2342		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	0.1 ml	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+50%glycerol+0.5%BSA+0.02%NaN3	<b>Concentration</b>	1 mg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Affinity
<b>Storage</b>	4°C		

**Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes							•	•
No								
N.D.	•	•	•	•	•	•		

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



W: Western blot with HM2342. Lane 1 and 2 is a sample of reduced HeLa cells and lane 3 and 4 non-reduced.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- W: A reduced and non-reduced sample treatment and SDS-Page was used. The band size is ~45 kDa.

**General Information**

<b>Description</b>	The caspase-9 antibody 3-20 recognizes caspase-9, a member of the cysteine-aspartic acid protease (caspase) family. It is widely expressed and is particularly important during development. Human pro-caspase-9 is a 46 kDa, 416 amino acid (aa) protein and contains one CARD region (aa 192) and catalytic residues at His237 and Cys287. 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 two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. The caspase 9 protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.
<b>Immunogen</b>	Synthetic peptide
<b>Aliases</b>	Cysteineaspartic acid protease 9, Casp9, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, APAF3, Mch6, ICE-like apoptotic protease 6, ICELAP6

<b>Gene</b>	Gene name: CASP9, MCH6
<b>Cross reactivity</b>	Mouse: Yes; Rat: Yes.
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

---

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
16/03/2018

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).