

Caspase-9 Assay Kit | CASP9 assay kit

Caspase-9 Assay Kit (Colorimetric)

CATALOG #
AAA332449

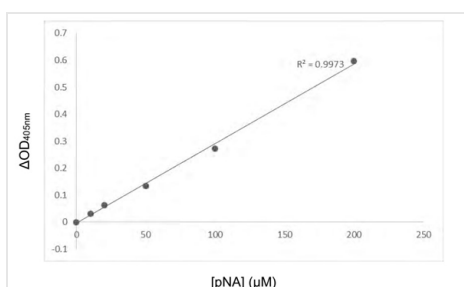
PRODUCT SYNONYMS

Caspase-9; Caspase-9 Assay Kit (Colorimetric); CASP9 assay kit

PRODUCT SPECIFICATIONS

Sequence Length	266
Samples	Cells, Animal Tissues
Preparation and Storage	Stable for at least 12 months at recommended temperature from date of shipment.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASP9 assay kit	Principle of the Assay: Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Mammalian caspases can be subdivided into three functional groups: initiator caspases (Caspase 2, 8, 9 and 10), executioner caspases (Caspase-3, 6 and 7), and inflammatory caspases (Caspase 1, 4, 5, 11 and 12). Caspase-9 (also known as ICE-LAP6 and Mch6) is a member of the caspase-family of cysteine proteases. Caspase-9 is activated by recruitment and dimerization within the Apaf-1 apoptosome. Once recruited, caspase-9 undergoes proteolytic cleavage at Asp315 to yield 35-kDa and 10-kDa fragments. Unlike other caspases, this cleavage event is not required for the catalytic activity of caspase-9. As an initiator caspase, this protease initiates a caspase signaling cascade that results in apoptosis. Caspase 9 kit (colorimetric) based on caspase 9 can catalyze the substrate Ac-LEHD-pNA (acetyl-L-Leu-Glu-His-Asp p-nitroanilide) to produce yellow nitroaniline (pNA). The pNA is strongly absorbed around 405 nm, so that the caspase 9 activity can be measured by measuring the absorbance.
Product Categories/Family for CASP9 assay kit	Cell Status Detection

NCBI AND UNIPROT INFORMATION

NCBI GI #	6518502
NCBI GeneID	842
NCBI Official Full Name	caspase-9
NCBI Official Synonym Full Names	caspase 9

NCBI Official Symbol	CASP9
NCBI Official Synonym Symbols	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6
NCBI Protein Information	caspase-9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/caspase-9/332449>