Nature Biosciences

Caspase-9 Mouse mAb [C8YT]

Cat NO. :A59037

Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB	H,M,R	P55211	47/37/35 kDa	Mouse	IgG	100ul,200ul

Applications detail：

Application	Dilution
WB	1:1000-2000

The optimal dilutions should be determined by the end user

Conjugate：

UnConjugate

Form：

Liquid

sensitivity：

Endogenous

Purification：

Protein A purification

Specificity：

Antibody is produced by immunizing animals with a synthetic peptide at the sequence of Human Caspase-9

Storage buffer and conditions：

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol（buffer）.

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

Tissue specificity：

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..

Subcellular location:

Function：

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/ Immunofluorescence **F:** Flow Cytometry

Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

For Research Use Only. Not For Use In Diagnostic Procedures.

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. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP)., Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

Validation Data：

Caspase-9 Mouse mAb [C8YT]　Images
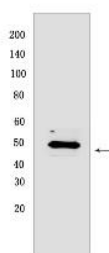
Western blot（SDS PAGE） analysis of extracts from L929 cells.Using Caspase-9 mouse mAb[C8YT] at dilution of 1:1000 incubated at 4℃ over night.

View more information on http://naturebios.com

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.

For Research Use Only. Not For Use In Diagnostic Procedures.