



Datasheet for ABIN2745524
anti-Caspase 12 antibody (AA 183-205)



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1 Image

Overview

Quantity:	100 µg
Target:	Caspase 12 (CASP12)
Binding Specificity:	AA 183-205
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant mouse caspase-12 (p20 fragment) and synthetic peptide corresponding to aa 183-205 of mouse caspase-12.
Clone:	12G6
Isotype:	IgG1
Specificity:	Recognizes an epitope within the p20 fragment of mouse caspase-12. Detects a band of ~51 kDa by Western blot.
Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	Does not cross-react with mouse caspase-1 or -11.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

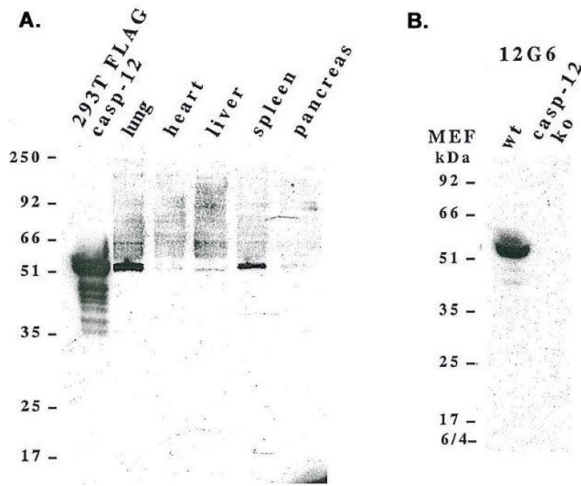
Target:	Caspase 12 (CASP12)
Alternative Name:	Caspase-12 (CASP12 Products)
Background:	Caspase-12 is a member of the ICE/CED-3 family of caspases and is detected as a protein of ~51 kDa. Overexpression of caspase-12 in cells induces apoptosis. Caspase-12 is localized to the endoplasmatic reticulum (ER) and activated by ER stress and specifically cleaves and activates pro-caspase-9 and is also thought to be involved in the apoptosis induced by viral infection. Caspase-12-deficient mice are resistant to ER stress-induced apoptosis. Caspase-12 is probably expressed in many and perhaps all mouse tissues and is expressed at high levels in skeletal muscle, heart, lung and kidney and at moderate levels in brain and liver. In many humans caspase-12 is a pseudo gene and not expressed.
UniProt:	O08736
Pathways:	Apoptosis , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 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:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis using anti-caspase-12 (mouse), mAb (12G6) detecting, A) endogenous caspase-12 in mouse lung, liver, spleen and pancreas, and B) pro-caspase-12 in mouse MEF's.