



Rabbit Anti-Human CASP6 monoclonal antibody, clone TO18-37 (CABT-L760)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Caspase-6 p18
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TO18-37
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP
Molecular Weight	18/33 kDa
Cellular Localization	Cytoplasm.
Positive Control	U937.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

A unique family of cysteine proteases has been described that differs in sequence, structure and substrate specificity from any previously described protease family. This family, Ced-3/caspase-1, is comprised of caspase-1, caspase-2, caspase-3, caspase-4, caspase-6, caspase-7 (also designated Mch3, ICE-LAP3 or CMH-1), caspase-9 and caspase-10. Ced-3/caspase-1 family members function as key components of the apoptotic machinery and act to destroy specific target proteins which are critical to cellular longevity. Poly(ADP-ribose) polymerase plays an integral role in surveying for DNA mutations and double strand breaks. Caspase-3, caspase-7 and caspase-9, but not caspase-1, have been shown to cleave the nuclear protein PARP into an apoptotic fragment. Caspase-6, but not caspase-3, has been shown to cleave the nuclear lamins which are critical to maintaining the integrity of the nuclear envelope and cellular morphology. Caspase-10 has been shown to activate caspase-3 and caspase-7 in response to apoptotic stimuli.

Keywords

Apoptotic protease Mch-2;Apoptotic protease MCH2;CASP-6;CASP6;CASP6_HUMAN;Caspase 6;Caspase 6 apoptosis related cysteine protease;Caspase 6, apoptosis related cysteine peptidase;Caspase-6 subunit p11;Caspase-6 subunit p20;Mch2;OTTHUMP00000162742;OTTHUMP00000162743 antibody

GENE INFORMATION

Entrez Gene ID

[839](#)

UniProt ID

[P55212](#)
