

Product datasheet

Anti-active Caspase 6 antibody ab2326

[1 Abreviews](#) [1 References](#)

Overview

Product name	Anti-active Caspase 6 antibody
Description	Rabbit polyclonal to active Caspase 6
Host species	Rabbit
Specificity	This antibody recognizes the large subunit (18 kDa) of the active caspase 6. The antibody does not recognize any other caspase.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human active Caspase 6. Synthetic peptide surrounding amino acids mapping to the C-terminus of the large fragment of Human Caspase-6.

General notes

The caspase family of cysteine proteases has been shown to play a key role in apoptosis. Similar to other caspases, caspase 6 is also synthesized as an inactive pro-enzyme that is processed in cells undergoing apoptosis. Together with caspase 3, caspase 6 is one of the major caspases in apoptotic cells, and functions downstream of apoptosis inhibitors Bcl-2 and Bcl-xL. Caspase 6 has also been shown involving in the proteolysis of poly (ADP-ribose) polymerase (PARP) and nuclear lamin A.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 30% Glycerol, 0.5% BSA, PBS, pH 7.2
Purity	Immunogen affinity purified
Primary antibody notes	The caspase family of cysteine proteases has been shown to play a key role in apoptosis. Similar to other caspases, caspase 6 is also synthesized as an inactive pro-enzyme that is processed in cells undergoing apoptosis. Together with caspase 3, caspase 6 is one of the major caspases in apoptotic cells, and functions downstream of apoptosis inhibitors Bcl-2 and Bcl-xL. Caspase 6 has also been shown involving in the proteolysis of poly (ADP-ribose) polymerase (PARP) and nuclear lamin A.
Clonality	Polyclonal

Isotype

IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab2326** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml.

Target

Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves poly(ADP-ribose) polymerase in vitro, as well as lamins. Overexpression promotes programmed cell death.
Sequence similarities	Belongs to the peptidase C14A family.
Post-translational modifications	Cleavages by caspase-3, caspase-8 or -10 generate the two active subunits.
Cellular localization	Cytoplasm.

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