


Product datasheet

Anti-Caspase-6/CASP-6 antibody [E180] ab32366

Recombinant RabMAb

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Overview

Product name	Anti-Caspase-6/CASP-6 antibody [E180]
Description	Rabbit monoclonal [E180] to Caspase-6/CASP-6
Host species	Rabbit
Specificity	This antibody detects the pro form and the p11 subunit of human Caspase-6/CASP-6. We have data to indicate that this antibody may not cross react with Rat. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human Caspase-6/CASP-6 aa 250-350 (C terminal). The exact sequence is proprietary. Database link: P55212
Positive control	WB: Jurkat cell lysate. ICC/IF: Hela cells. IHC-P: Human lung carcinoma tissue slides.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	E180
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab32366 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

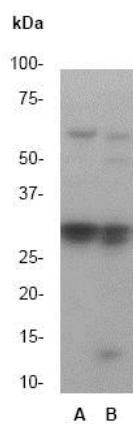
Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 34 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100.

Application notes Is unsuitable for IP.

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.

Images



Western blot - Anti-Caspase-6/CASP-6 antibody [E180] (ab32366)

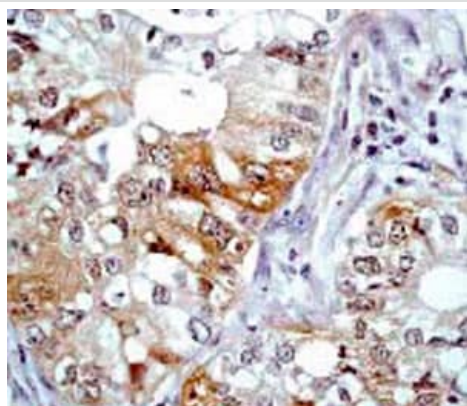
All lanes : Anti-Caspase-6/CASP-6 antibody [E180] (ab32366) at 1/1000 dilution

Lane 1 : Untreated Jurkat cell lysate.

Lane 2 : Jurkat cell lysate treated with Camptothecin.

Predicted band size: 34 kDa

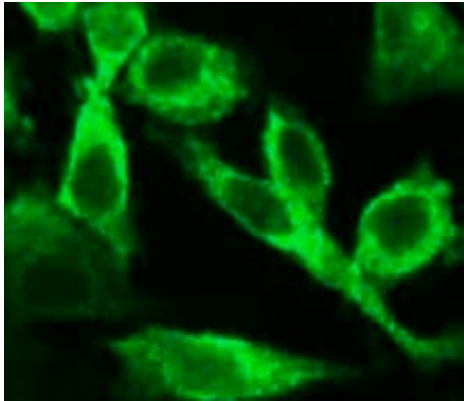
Observed band size: 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-6/CASP-6 antibody [E180] (ab32366)

Ab32366, at a 1:50 dilution, staining Caspase-6/CASP-6 in paraffin embedded human lung adenocarcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Ab32366, at a 1:100 dilution, staining Caspase-6/CASP-6 in HeLa cells by Immunocytochemistry/Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-Caspase-6/CASP-6 antibody [E180] (ab32366)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Caspase-6/CASP-6 antibody [E180] (ab32366)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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