

Product datasheet

Anti-Caspase-7 antibody [10-1-62] ab28130

1 References 3 Images

Overview

Product name	Anti-Caspase-7 antibody [10-1-62]
Description	Mouse monoclonal [10-1-62] to Caspase-7
Host species	Mouse
Specificity	Ab28130 recognises Caspase-7, recombinant caspase-7 as well as full length pro caspase-7 and processed enzyme.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Hamster, Human, Monkey
Immunogen	Recombinant full length protein corresponding to Human Caspase-7. Database link: P55210
Positive control	HeLa and Jurkat cell lysates.

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 Constituents: 0.00174% PMSF, 0.164% Sodium phosphate, 0.29% Sodium chloride
Purity	Protein G purified
Purification notes	This antibody was affinity purified.
Clonality	Monoclonal
Clone number	10-1-62
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28130** in the following tested applications.

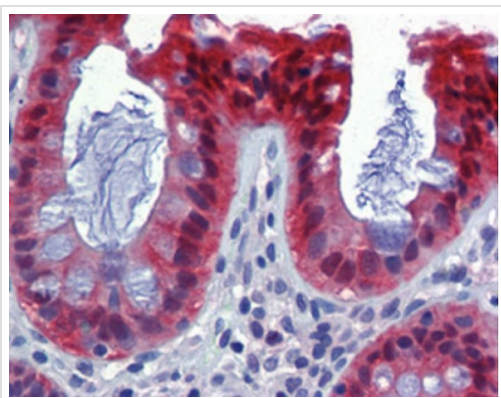
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 34 kDa.

Target

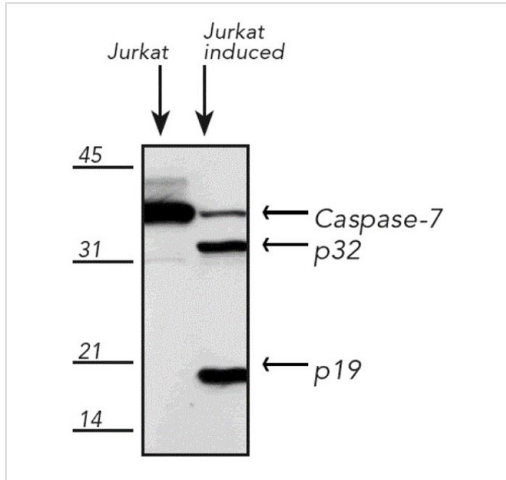
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-Gly-217' bond. Overexpression promotes programmed cell death.
Tissue specificity	Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.
Sequence similarities	Belongs to the peptidase C14A family.
Post-translational modifications	Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3, and vice versa, also occur.
Cellular localization	Cytoplasm.

Images



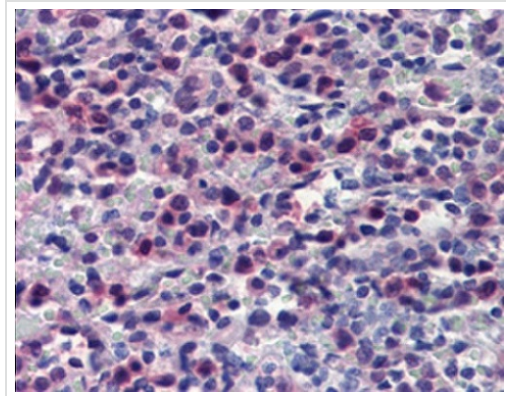
Immunohistochemistry paraffin embedded sections analysis of Human colon tissue sections labeling Caspase-7 with ab28130 at 10µg/ml.

Immunohistochemistry paraffin embedded sections -
Anti-Caspase-7 antibody [10-1-62] (ab28130)



Western Blot analysis of human Jurkat and Jurkat induced cell lysates, probed with Caspase-7 antibody (ab28130).

Western blot - Anti-Caspase-7 antibody [10-1-62] (ab28130)



Immunohistochemistry paraffin embedded sections analysis of Human spleen tissue sections labeling Caspase-7 with ab28130 at 10µg/ml.

Immunohistochemistry paraffin embedded sections - Anti-Caspase-7 antibody [10-1-62] (ab28130)

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