

Anti-Caspase-14/CASP14 Antibody Picoband®

Catalog Number: PA2104

About CASP14

Caspase 14 is an enzyme that in humans is encoded by the CASP14 gene. CASP14 belongs to the evolutionarily conserved caspase family. CASP14 was assigned to chromosome 19p13.1. Using Northern blot and semiquantitative RT-PCR analyses, it was shown that CASP14 was transcriptionally upregulated during maintenance of confluent cultures of human epidermal keratinocytes. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier. Caspase 14 seems to play a role in keratinocyte differentiation and cornification and probably regulates maturation of the epidermis by proteolytically processing filaggrin.

Overview

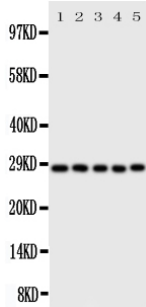
Product Name	Anti-Caspase-14/CASP14 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Caspase-14/CASP14 Antibody catalog # PA2104. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P31944

Technical Details

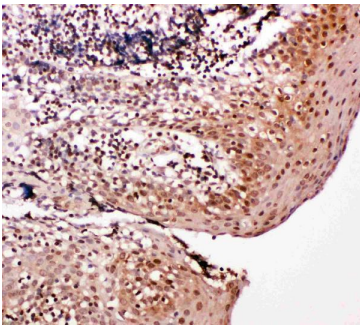
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-14, different from the related rat and mouse sequences by four amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

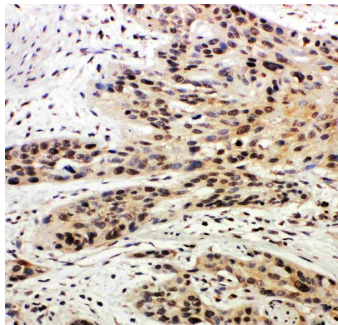
Anti-Caspase-14/CASP14 Antibody Picoband® (PA2104) Images



Anti-Caspase-14 antibody, PA2104, Western blotting All lanes: Anti Caspase-14 (PA2104) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Rat Liver Tissue Lysate at 50ug Lane 3: Rat Spleen Tissue Lysate at 50ug Lane 4: A431 Whole Cell Lysate at 40ug Lane 5: NIH3T3 Whole Cell Lysate at 40ug Predicted bind size: 28KD Observed bind size: 28KD



Anti-Caspase-14 antibody, PA2104, IHC(P) IHC(P): Human Tonsil Tissue



Anti-Caspase-14 antibody, PA2104, IHC(P) IHC(P): Human Oesophagus Squama Cancer Tissue

1 Publications Citing This Product

1. PubMed ID: 27581210, Epigallocatechin-3-gallate (EGCG) inhibits imiquimod-induced psoriasis-like inflammation of BALB/c mice

Visit bosterbio.com/anti-caspase-14-antibody-pa2104-boster.html to see all 1 publications.

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Anti-Caspase-14/CASP14 Antibody

For Research Use Only. Not for use in diagnostic procedures.