

Anti-Granzyme K/GZMK Antibody

Catalog Number: A06281-2

About GZMK

Granzyme K is a protein that in humans is encoded by the GZMK gene. This gene product is a member of a group of related serine proteases from the cytoplasmic granules of cytotoxic lymphocytes. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here lacks consensus sequences for N-glycosylation present in other granzymes

Overview

Product Name	Anti-Granzyme K/GZMK Antibody
Reactive Species	Human
Description	Boster Bio Anti-Granzyme K/GZMK Antibody catalog # A06281-2. Tested in IHC applications. This antibody reacts with Human.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	P49863

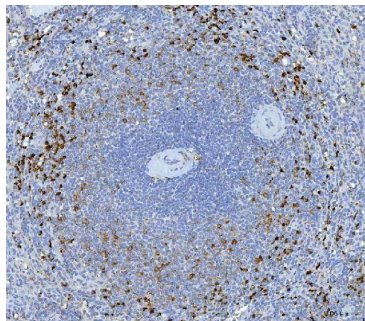
Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Granzyme K/GZMK, which shares 71.4% and 73.9% amino acid (aa) sequence identity with mouse and rat GZMK, respectively.
Recommended Detection Systems	Boster recommends 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), 2-5 ug/ml, Human

Anti-Granzyme K/GZMK Antibody (A06281-2) Images



IHC analysis of Granzyme K/GZMK using anti-Granzyme K/GZMK antibody (A06281-2). Granzyme K/GZMK was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Granzyme K/GZMK Antibody (A06281-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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