

Anti-RuvB-like 1 RUVBL1 Antibody

Catalog Number: A02049

Introduction

The antibody is directed against Thy-1 present in human brain, with small amounts in kidney. The 23.5kD a Thy-1 antigen is absent from human thymocytes and peripheral lymphocytes. Thymus, lymph node and spleen have small populations of F15-42-1-5 positive cells.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development or are reported in the literature.

Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended use of this antibody is $\leq 0.5\mu\text{g}$ per 1×10^6 cells in $100\mu\text{l}$ of staining volume. It is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

About RUVBL1

NEK2, also called serine/threonine-protein kinase Nek2NimA-related protein kinase 2, NimA-like protein kinase 1 and HSPK 21, is a protein kinase involved in mitotic regulation that may have a role at the G₂-M transition and may also play a role in meiosis. NEK2 has a nuclear localization and accumulates throughout S phase and shows maximal levels in late G₂. This expression pattern is highly reminiscent of that of A and B cyclins.

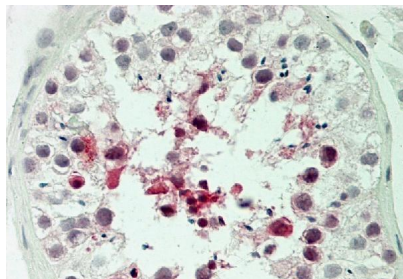
Overview

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| Product Name | Anti-RuvB-like 1 RUVBL1 Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-RuvB-like 1 RUVBL1 Antibody (Catalog# A02049). Tested in IHC, WB application(s). This antibody reacts with Human. |
| Application | IHC, WB |
| Clonality | Polyclonal |
| Formulation | 100 μg in 200 μl PBS containing 0.05% stabilizing protein and 0.05% sodium azide *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 the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q9Y265 |

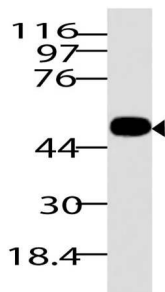
Technical Details

| | |
|----------------------------|--|
| Immunogen | A partial length recombinant RuvB-like 1 protein (amino acids 1-268) |
| Predicted Reactive Species | Bovine, Chicken, Xenopus Laevis, Xenopus Tropicalis, Zebrafish |
| Cross Reactivity | Predicted species reactivity based on epitope sequence homology: human, mouse, bovine, horse, rhesus macaque, dog, chimpanzee. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. |
| Purification | Protein A Chromatography |
| Suggested Dilutions | Western blot: 0.5-1 µg/ml IHC: 10 µg/ml |

Anti-RuvB-like 1 RUVBL1 Antibody (A02049) Images



Immunohistochemical analysis of RuvB-like 1. Anti-RuvB-like 1 antibody in human Testis tissue at 10 μ m



Western blot analysis of RuvB-like 1. Anti-RuvB-like 1 antibody was used at 1 μ g/ml

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Anti-RuvB-like 1 RUVBL1 Antibody

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