

Datasheet for 100-4186**IKB beta Antibody****Overview**

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| Description: | Anti-IKBB (RABBIT) Antibody - 100-4186 |
| Item No.: | 100-4186 |
| Size: | 100 µL |
| Applications: | WB |
| Reactivity: | Human, Mouse, Rat |
| Host Species: | Rabbit |

Product Details

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| Background: | NFkB was originally identified as a factor that binds to the immunoglobulin kappa light chain enhancer in B cells. It was subsequently found in non-B cells in an inactive cytoplasmic form consisting of NFkB bound to Ikb. NFkB was originally identified as a heterodimeric DNA binding protein complex consisting of p65 (RelA) and p50 (NFkB1) subunits. Other identified subunits include p52 (NFkB2), c-Rel, and RelB. The p65, cRel, and RelB subunits are responsible for transactivation. The p50 and p52 subunits possess DNA binding activity but limited ability to transactivate. p52 has been reported to form transcriptionally active heterodimers with the NFkB subunit p65, similar to p50/p65 heterodimers. The heterodimers of p52/p65 and p50/p65 are regulated by physical inactivation in the cytoplasm by Ikb-a. Ikb-a binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells. |
| Synonyms: | rabbit anti-IKB beta Antibody, NF kappa BIB antibody, NFKBIB antibody, Thyroid receptor interacting protein 9 antibody, TR interacting protein 9 antibody, TRIP9 antibody |
| Host Species: | Rabbit |
| Clonality: | Polyclonal |
| Format: | Antiserum |

Target Details

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| Gene Name: | NFKBIB |
| Reactivity: | Human, Mouse, Rat |

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| Immunogen Type: | Conjugated Peptide |
| Immunogen: | IkBb peptide corresponding to a region near the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH). |
| Purity/Specificity: | This product was prepared from monospecific antiserum by delipidation and defibrination. Anti- IkBb may react non-specifically with other proteins. Control peptide (code #100-4186p) will compete only with the specific reaction of antiserum with IkBb. |
| Relevant Links: | <ul style="list-style-type: none">• NCBI - BAF81542.1• UniProtKB - Q15653• GenelD - 4793 |

Application Details

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| Tested Applications: | WB |
| Application Note: | Anti-IKB beta was tested by immunoblot and found to be reactive against IkBb at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti- IkBb is suitable for the detection by immunoblot of human, mouse and rat IkBb. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | 1:5,000 - 1:25,000 |
| WB: | 1:500 - 1:3,000 |

Formulation

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| Physical State: | Liquid (sterile filtered) |
| Concentration: | 100 mg/ml by Refractometry |
| Buffer: | None |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | None |

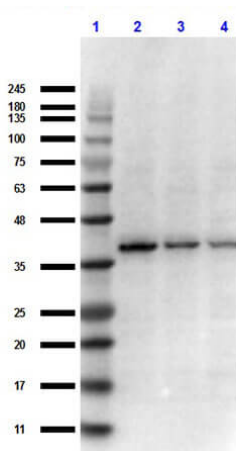
Shipping & Handling

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| Shipping Condition: | Dry Ice |
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-IKB Beta C-term Antibody. Lane 1: Opal Prestained Molecular Weight Ladder (p/n MB-210-0500). Lane 2: A549 WC Lysate (p/n W09-001-372). Lane 3: A431 WC Lysate (p/n W09-000-362). Lane 4: Molt-4 WC Lysate (p/n W09-001-GK2). Load: 10µL. Primary Antibody: Rabbit Anti-IKB Beta C-term Antibody at 1:500 overnight at 4°C. Secondary Antibody: Goat anti-Rabbit IgG HRP (p/n 611-103-122) at 1:70,000 for 30 in at RT. Expect: 37kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.