

Datasheet for ABIN1538628
anti-RBP3 antibody (AA 784-811)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 400 µL |
| Target: | RBP3 |
| Binding Specificity: | AA 784-811 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RBP3 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This RBP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 784-811 amino acids from the Central region of human RBP3. |
| Clone: | RB37055 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | RBP3 |
| Alternative Name: | RBP3 (RBP3 Products) |
| Background: | Interphotoreceptor retinol-binding protein is a large glycoprotein known to bind retinoids and |

Target Details

found primarily in the interphotoreceptor matrix of the retina between the retinal pigment epithelium and the photoreceptor cells. It is thought to transport retinoids between the retinal pigment epithelium and the photoreceptors, a critical role in the visual process. The human IRBP gene is approximately 9.5 kbp in length and consists of four exons separated by three introns. The introns are 1.6-1.9 kbp long. The gene is transcribed by photoreceptor and retinoblastoma cells into an approximately 4.3-kilobase mRNA that is translated and processed into a glycosylated protein of 135,000 Da. The amino acid sequence of human IRBP can be divided into four contiguous homology domains with 33-38 % identity, suggesting a series of gene duplication events. In the gene, the boundaries of these domains are not defined by exon-intron junctions, as might have been expected. The first three homology domains and part of the fourth are all encoded by the first large exon, which is 3,180 base pairs long. The remainder of the fourth domain is encoded in the last three exons, which are 191, 143, and approximately 740 base pairs long, respectively.

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| Molecular Weight: | 135363 |
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| Gene ID: | 5949 |
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| NCBI Accession: | NP_002891 |
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| UniProt: | P10745 |
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Application Details

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| Application Notes: | WB: 1:2000 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
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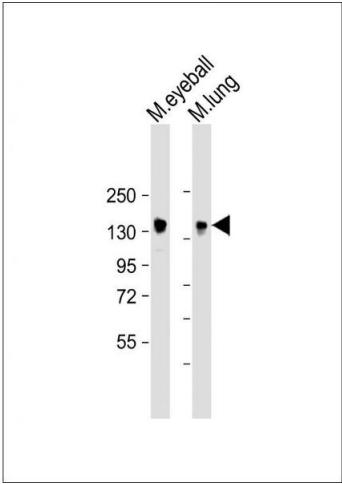
| | |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C, -20 °C |
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| Storage Comment: | RBP3 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C. |
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Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-RBP3 Antibody (Center) at 1:2000 dilution Lane 1: mouse eyeball lysate Lane 2: mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 135 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.