

RBP3 antibody

Catalog No: #38882

Package Size: #38882-1 50ul #38882-2 100ul

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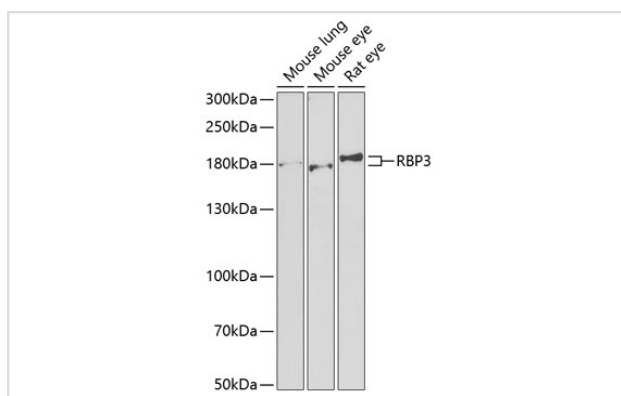
Description

Product Name	RBP3 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total RBP3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human RBP3 (NP_002891.1).
Target Name	RBP3
Other Names	RBP3;D10S64;D10S65;D10S66;IRBP;RBPI;RP66
Accession No.	Uniprot:P10745GeneID:5949
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SDS-PAGE MW	180kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100

Images



Western blot analysis of extracts of various cell lines, using RBP3 antibody.

Background

Interphotoreceptor retinol-binding protein is a large glycoprotein known to bind retinoids and 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.

Note: This product is for in vitro research use only