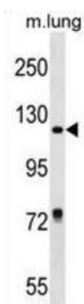


Retinol-Binding Protein 3 (RBP3) Antibody

Catalogue No.: abx029792



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.

Target: Retinol-Binding Protein 3 (RBP3)

Research Area: Signal Transduction

Clonality: Polyclonal

Reactivity: Mouse

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 784-811 amino acids from the Central region of human RBP3.

Isotype: IgG

Form: Liquid

Datasheet

Version: 3.0.0

Revision date: 25 Aug 2025



Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P10745 (UniProt , ExPASy)
Gene Symbol:	RBP3
GeneID:	5949
NCBI Accession:	NP_002891.1
KEGG:	hsa:5949
String:	9606.ENSP00000463151
Molecular Weight:	Calculated MW: 135 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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