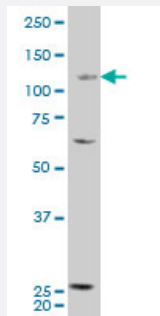


RBP3 polyclonal antibody (A01)

Catalog # H00005949-A01

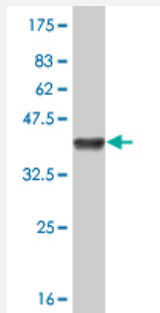
Size 50 uL

Applications



Western Blot (Cell lysate)

RBP3 polyclonal antibody (A01), Lot # 061122JCS1 Western Blot analysis of RBP3 expression in 293 (Cat # L026V1).



Western Blot detection against Immunogen (36.89 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant RBP3.
Immunogen	RBP3 (NP_002891, 1149 a.a. ~ 1246 a.a) partial recombinant protein with GST tag.
Sequence	GTAEETYIMKRLGRALVIGEVTSGGCQPPQTYHVDDTNLYLTIPTARSVGASDGSSWEGVGVTPH VVVPAEEALARAKEMQLQHNQLRVKRSPGLQDH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (87)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.89 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RBP3 polyclonal antibody (A01), Lot # 061122JCS1 Western Blot analysis of RBP3 expression in 293 (Cat # L026V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — RBP3

Entrez GeneID

[5949](#)

GeneBank Accession#

[NM_002900](#)

Protein Accession#

[NP_002891](#)

Gene Name

RBP3

Gene Alias

D10S64, D10S65, D10S66, IRBP, RBPI

Gene Description

retinol binding protein 3, interstitial

Omim ID

[180290](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000019536|interphotoreceptor retinoid-binding protein|retinol-binding protein 3|retinol-binding protein 3, interstitial

Disease

- [Retinal Dystrophies](#)
- [Retinitis Pigmentosa](#)