Datasheet for ABIN6146801

anti-RBP3 antibody (AA 18-320)

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1 Image

Overview

Quantity:	100 µL
Target:	RBP3
Binding Specificity:	AA 18-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 18-320 of human RBP3 (NP_002891.1).
Sequence:	GPTHLFQPSL VLDMAKVLLD NYCFPENLLG MQEAIQQAIK SHEILSISDP QTLASVLTAG VQSSLNDPRL VISYEPSTPE PPPQVPALTS LSEEELLAWL QRGLRHEVLE GNVGYLRVDS VPGQEVLSMM GEFLVAHVWG NLMGTSALVL DLRHCTGGQV SGIPYIISYL HPGNTILHVD TIYNRPSNTT TEIWTLPQVL GERYGADKDV VVLTSSQTRG VAEDIAHILK QMRRAIVVGE RTGGGALDLR KLRIGESDFF FTVPVSRSLG PLGGGSQTWE GSGVLPCVGT PAEQALEKAL AIL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	RBP3
Alternative Name:	RBP3 (RBP3 Products)
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.,RBP3,D10S64,D10S65,D10S66,IRBP,RBPI,RP66,Neuroscience,RBP3
Molecular Weight:	135 kDa
Gene ID:	5949
UniProt:	P10745

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

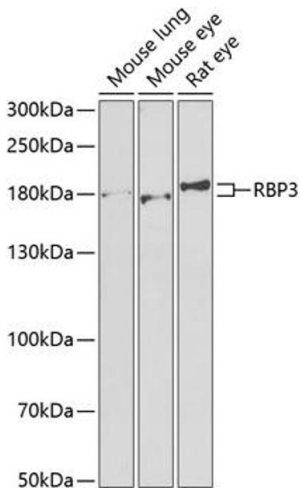
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using RBP3 antibody (ABIN6129600, ABIN6146801, ABIN6146802 and ABIN6222034) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.