

Rabbit RBP3 Polyclonal Antibody | anti-RBP3 antibody

RBP3 Polyclonal Antibody

CATALOG # AAA174107	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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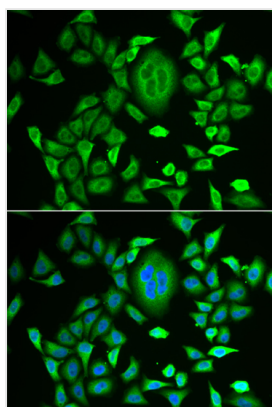
PRODUCT SYNONYMS

RBP3; Polyclonal Antibody; RBP3 Polyclonal Antibody; D10S64; D10S65; D10S66; Interphotoreceptor retinoid binding protein; Interphotoreceptor retinoid-binding protein; Interstitial retinol binding protein; Interstitial retinol-binding protein; IRBP; RBP 3; rbp3; RBPI; RET3; Retinol binding protein 3; Retinol binding protein 3 interstitial; Retinol-binding protein 3; RP66; anti-RBP3 antibody

PRODUCT SPECIFICATIONS

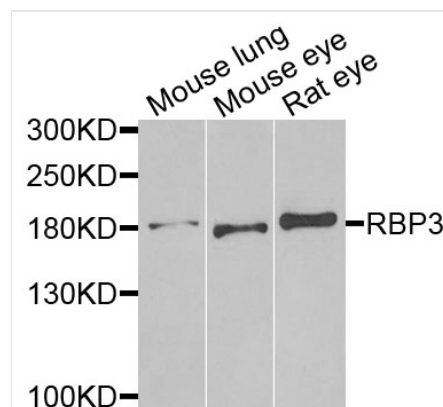
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	1,247
Applicable Applications for anti-RBP3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human RBP3
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using RBP3 antibody.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-RBP3 antibody	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.
Product Categories/Family for anti-RBP3 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506453
NCBI GeneID	5949
NCBI Accession #	NP_002891.1
NCBI GenBank Nucleotide #	NM_002900.2
UniProt Accession #	P10745; Q0QD34; Q5VSR0; Q8IXN0
Molecular Weight	Calculated: 135kDa Observed: 180kDa
NCBI Official Full Name	retinol-binding protein 3
NCBI Official Synonym Full Names	retinol binding protein 3
NCBI Official Symbol	RBP3
NCBI Official Synonym Symbols	IRBP; RBPI; RP66; D10S64; D10S65; D10S66
NCBI Protein Information	retinol-binding protein 3
UniProt Protein Name	Retinol-binding protein 3
UniProt Gene Name	RBP3
UniProt Synonym Gene Names	IRBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.