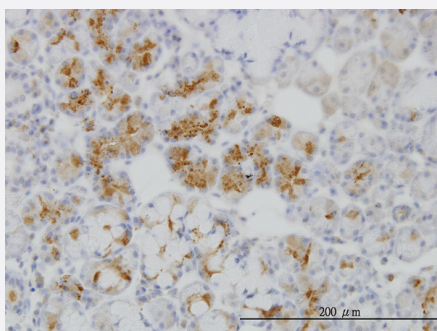


RBP4 monoclonal antibody (M05), clone 4D9

Catalog # H00005950-M05

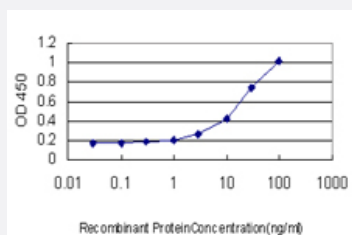
Size 100 ug

Applications



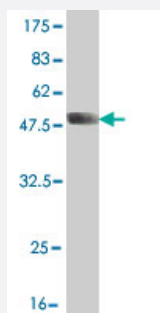
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RBP4 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 1 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RBP4 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (45.87 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant RBP4.

Immunogen	RBP4 (AAH20633.1, 19 a.a. ~ 201 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGQMSATAKGRVRL LNNWDVCADMVGTFDTEDPAKFKMKYWGVASFLQKGNDHWWVDTDYDTYAVQYSCRLNLD GTCADSYSFVFSRDPNGLPPEAQKVRQRQEELCLARQYRLVHNGYCDGRSERNLL
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.87 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RBP4 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 1 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RBP4 is approximately 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RBP4

Entrez GeneID [5950](#)

GeneBank Accession# [BC020633](#)

Protein Accession#	AAH20633.1
Gene Name	RBP4
Gene Alias	-
Gene Description	retinol binding protein 4, plasma
Omim ID	180250
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. [provided by RefSeq]
Other Designations	OTTHUMP00000020114 OTTHUMP00000020116 retinol-binding protein 4, interstitial retinol-binding protein 4, plasma

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperlipidemias](#)
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- [Insulin Resistance](#)
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- [Neoplasms](#)
- [Obesity](#)

- [Osteoporosis](#)
- [Prediabetic State](#)