

Retinol Binding Protein-1 (RBP1) Antibody

Mouse Monoclonal Antibody [Clone RBP/872]

Catalog No	Format	Size
5947-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5947-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5947-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

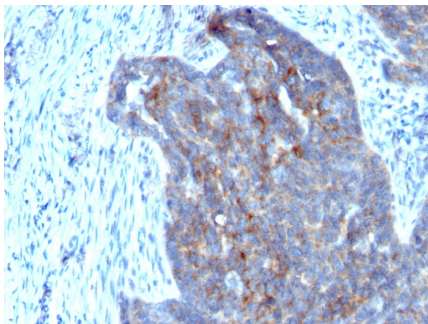
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

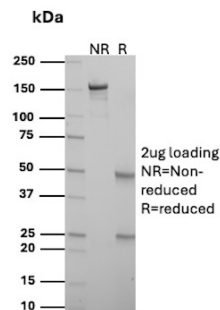
Clone	RBP/872
Gene Name	RBP1
Immunogen	Recombinant human retinol binding protein-1 (RBP1)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	21-25kDa
Cellular Localization	Cytoplasm, Lipid droplet
Species Reactivity	Goat, Human, Monkey, Mouse, Rabbit, Rat
Positive Control	Hepatic or Ovarian Carcinoma.

*Optimal dilution for a specific application should be determined.

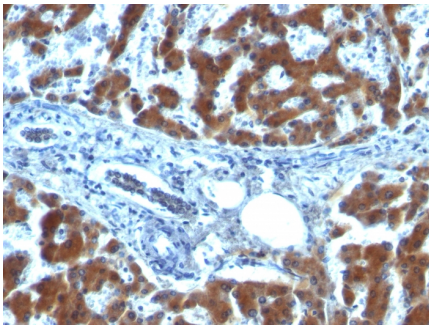
Product Images for Retinol Binding Protein-1 (RBP1) Antibody



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with RBP1 (RBP/872)



SDS-PAGE Analysis of Purified Retinol-binding protein 1 Mouse Monoclonal Antibody (RBP/872). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with RBP1 (RBP/872)

Specificity & Comments

Recognizes a protein of 21kDa-25kDa, identified as retinol binding protein-1 (RBP1). 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 post-transnationally and results in defective delivery and supply to the epidermal cells.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Infectious Disease
