

Anti-RBP4 Antibody (4K658)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	4K658
Purification:	Protein A

Applications

	Anti-RBP4 rabbit monoclonal antibody at 1:500 dilution. -Lane A: HepG2 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary
Verified Activity:	-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:23 kDa. -Observed band size:23 kDa
Application:	ELISA,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:25000-1:50000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse RBP4 protein (TMPY-01567)
Antigen Species:	Mouse
Synonyms:	retinol binding protein 4, plasma

Research Background

Retinol-binding protein 4 (RBP4) is the specific carrier for retinol (also known as vitamin A), and is responsible for the conversion of unstable and insoluble retinol in aqueous solution into stable and soluble complex in plasma through their tight interaction. As a member of the lipocalin superfamily, RBP4 containing a β -barrel structure with a well-defined cavity is secreted from the liver, and in turn delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP4-retinol complex interacts with transthyretin (TTR), and this binding is crucial for preventing RBP4 excretion through the kidney glomeruli. RBP4 expressed from an ectopic source efficiently delivers retinol to the eyes, and its deficiency affects night vision largely. Recently, RBP4 as an adipokine, is found to be expressed in adipose tissue and correlated with obesity, insulin resistance (IR) and type 2 diabetes (T2DM).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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