bs-6182R **[Primary Antibody]**

RBP4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5950 **SWISS:** P02753

Target: RBP4

Immunogen: KLH conjugated synthetic peptide derived from human RBP4: 71-170/201.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Retinol binding protein 4, also known as RBP4, is a transporter protein for retinol (vitamin A alcohol). RBP4 has a molecular weight of approximately 21 kDa and is encoded by the RBP4 gene in humans. It is mainly, though not exclusively, synthesized in the liver and circulates in the bloodstream bound to retinol in a complex with transthyretin. RBP4 has been a drug target for ophthalmology research due to its role in vision. RBP4 may also be involved in metabolic diseases as suggested by recent studies.

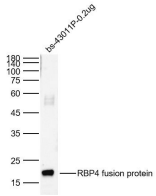
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat)

Predicted MW.: 23 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 1: RBP4 fusion protein (bs-43011P) 0.2ug Primary: Anti-RBP4 (bs-6182R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 21kDa Observed band size: 21kDa

SELECTED CITATIONS

- **[IF=6.543]** Zhou Wan. et al. The Effects of RBP4 and Vitamin D on the Proliferation and Migration of Vascular Smooth Muscle Cells via the JAK2/STAT3 Signaling Pathway. Oxid Med Cell Longev. 2022;2022:3046777 WB ;Rat. 35082965
- **[IF=0]** Najmi, Nuroh, et al. "Effects of aerobic exercise and a high-carbohydrate diet on RBP4 expression in rat skeletal muscle." Advances in Biomolecular Medicine: Proceedings of the 4th BIBMC (Bandung International Biomolecular Medicine Conference) 2016 and the 2nd ACMM (ASEAN Congress on Medical Biotechnology and Molecular Biosciences), October 4-6, 2016, Bandung, West Java, Indonesia. CRC Press, 2017. IHC ;="Rat". ISBN978-1-138-63177-9

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.