bs-12439R **[Primary Antibody]**

GCF2/LRRFIP1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9208 **SWISS:** Q32MZ4

Target: GCF2/LRRFIP1

Immunogen: KLH conjugated synthetic peptide derived from human LRRFIP1: 121-220/808.

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: LRRFIP1 is an 738 amino acid human protein whose rodent counterpart is known as Lrrfip1 (also designated FLAP in mouse). LRRFIP1 is also believed to control smooth muscle cell proliferation following arterial injury through PDGF-A repression. The N-terminus of LRRFIP1 shows high homology to the coiled-coil domain of FLAP, a protein which binds the leucine-rich repeat (LRR) of Flightless I, and the interaction of LRRFIP1 with the LRR of Flightless I has been confirmed. LRRFIP1 does not bind single-stranded DNA or RNA significantly and binds double-stranded DNA weakly. In contrast, LRRFIP1 binds double-stranded RNA with high affinity, and two molecules of LRRFIP1 bind the TaR stem. The RNA binding domain has been identified and encompasses a lysine-rich motif. Flightless I has a C-terminal TaR-like domain which binds Actin and therefore the association of LRRFIP1 with the LRR of Flightless I may provide a link between the Actin cytoskeleton and RNA in mammalian cells.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 89 kDa

Subcellular Location: Cytoplasm ,Nucleus

SELECTED CITATIONS

- **[IF=5.923]** Gink N. Yang. et al. Overexpression of Flii during Murine Embryonic Development Increases Symmetrical Division of Epidermal Progenitor Cells. Int J Mol Sci. 2021 Jan;22(15):8235 IHC ;Mouse. 34361001
- **[IF=5.923]** Gink N. Yang. et al. Increased Expression of Flightless I in Cutaneous Squamous Cell Carcinoma Affects Wnt/β-Catenin Signaling Pathway. Int J Mol Sci. 2021 Jan;22(24):13203 IF ;Mouse. 34948000

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