bs-15517R **[Primary Antibody]**

IFITM2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10581 **SWISS:** Q01629

Target: IFITM2

Immunogen: KLH conjugated synthetic peptide derived from human IFITM2: 11-100/132. < Extracellular >

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: Interferons (IFNs) are potential antitumor agents, as they exhibit antiproliferative and differentiating properties, in addition to functioning in the defense against microbial infections. IFN exposure induces the regulation of expression levels of cellular proteins that mediate the pleiotropic effects of interferons. These effects may be mediated by soluble factors or by cell-cell interactions involving specific membrane proteins. The IFITM family of proteins are transmembrane proteins so named because their expression is IFN-inducible. IFITM proteins have been found upregulated in human colorectal carcinomas. Both mouse IFITM1 (also known as CD225) and IFITM3 demonstrate expression on the cell surfaces of primordial germ cells in a developmentally-regulated manner. They presumably modulate cell adhesion and influence cell differentiation. IFITM1 activity is required for primordial germ cell transit, and IFITM1 acts as a repulsive molecule by repelling non-IFITM1-expressing primordial germ cells from the mesoderm into the endoderm.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)

Reactivity: (predicted: Human)

Predicted MW.: 15 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=2.1]** Huang Lanyi. et al. Scorpion venom heat-resistant peptide alleviates mitochondrial dynamics imbalance induced by PM2.5 exposure by downregulating the PGC-1α/SIRT3 signaling pathway. TOXICOL RES-UK. 2023 Aug;: WB ;Mouse. 10.1093/toxres/tfad064
- **[IF=1.3]** Yongtao Zhang. et al. The novel role of IFITM1–3 in myogenic differentiation of C2C12 cells. INTRACTABLE RARE DIS. 2023 Aug 18 WB ;Mouse. 37662621
- **[IF=1.3]** Yongtao Zhang. et al. Role of IFITM2 in osteogenic differentiation of C3H10T1/2 mesenchymal stem cells. INTRACTABLE RARE DIS. 2023 Dec 25 WB,IF ;Mouse. 10.5582/irdr.2023.01108
- **[IF=1.1]** Yongtao Zhang. et al.Role of IFITM2 in osteogenic differentiation of C3H10T1/2 mesenchymal stem cells.intractable rare dis res.2024 Feb;13(1):42-50. IF ;Mouse. 38404731