bs-15551R **[Primary Antibody]**

IFI44L Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10964 **SWISS:** Q53G44

Target: IFI44L

Immunogen: KLH conjugated synthetic peptide derived from human IFI44L: 101-200/452.

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: IFI-44L is a 452 amino acid cytoplasmic protein that shares some sequence similarities with IFI-44. IFI-44 is a cytoplasmic protein that aggregates to form microtubule structures. The genes that encode IFI-44L and IFI-44 are located on chromosome 1, which is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma.

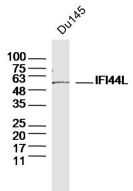
Applications: **WB** (1:500-2000)

Reactivity: Human

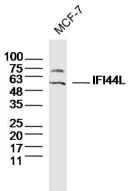
Predicted MW.: 51 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Du145 Cell (Human) Lysate at 30 ug Primary: Anti-IFI44L (bs-15551R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51kD Observed band size: 51kD



Sample:MCF-7 Cell (Human) Lysate at 30 ug Primary: Anti-IFI44L (bs-15551R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51kD Observed band size: 51kD

SELECTED CITATIONS

- **[IF=5.923]** Cheng Chen. et al. Identified Three Interferon Induced Proteins as Novel Biomarkers of Human Ischemic Cardiomyopathy. Int J Mol Sci. 2021 Jan;22(23):13116 ELISA,IHC ;Rat. 34884921