Data Sheet (Cat.No.TMAB-00908)

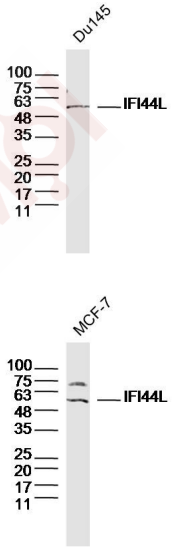
Anti-IFI44L Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 51 kDa. Actual: 51 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Du145 Cell (Human) Lysate at 30 μg Primary: Anti-IFI44L (TMAB-00908) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 51 kDa 2. Sample: MCF-7 Cell (Human) Lysate at 30 μg Primary: Anti-IFI44L (TMAB-00908) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 51 kDa



Application:	WB
Recommended	WB: 1:500-2000

Properties

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

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human IFI44L
Antigen Species:	Human
Gene ID:	10964
Uniprot ID:	Q53G44
Synonyms:	IF44L;C1orf29;GS3686;IFI44L;Interferon-induced protein 44-like

Research 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.

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