SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IFI202 antibody

Catalog Number: SL8676R

FOR RESEARCH USE ONLY

[DATASHEET]

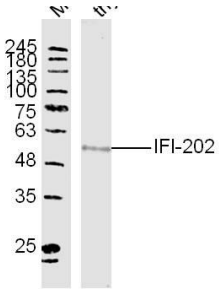
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IFI202
Immunogen:	KLH conjugated synthetic peptide derived from mouse IFI-202: 121-220/445
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat
Predicted MW.:	50kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	IFI-202 is a primarily nuclear phosphoprotein which inhibits cell growth, in part by modulating transcriptional activity of NFkB, E2F, AP-1 and p53. Two related human proteins, MNDA (myeloid cell nuclear differentiation antigen) and IFI-16, have also been described. Expression of MNDA has been observed specifically in cells of the granulocyte-macrophage lineage. IFI-16 is constitutively expressed in various T and B cell lines and can be induced by IFN-g in HL60 cells. At least four of the Gene 200 cluster of IFN-inducible proteins, IFI-202, IFI-204, MNDA and IFI-16, are localized in the nucleus. **Function:** Inhibits the transcriptional activity of several transcription factors, including NF-kappa-B p50 and p65, FOS, JUN, E2F1, E2F4, MYOD1 and myogenin. Has anti-apoptotic effects due to inhibition of the transcriptional activity of p53. Binds dsDNA in the cytosol. Is involved in innate immune

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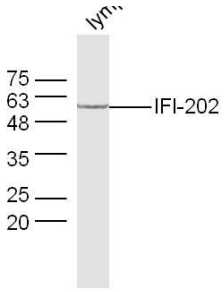
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	response and has anti-inflammatory activity. Inhibits caspase activation in response to cytosolic DNA and may inhibit the activation of the AIM2 inflammasome, probably via association with AIM2. **Subunit:** Binds to several transcription factors, including NF-kappa-B p50 and p65, FOS, JUN, E2F1, E2F4, MYOD1 and myogenin. Also binds p53, the hypophosphorylated, growth-inhibitory form of the retinoblastoma protein and the p53-binding protein 1 (53BP1). **Subcellular Location:** Cytoplasm. Nucleus. Note=Accumulates first in the cytoplasm, and is translocated to the nucleus after a delay, where it is primarily chromatin-associated. **Post-translational modifications:** Phosphorylated. **Similarity:** Belongs to the HIN-200 family. Contains 2 HIN-200 domains. **SWISS:** Q9R002 **Gene ID:** 100044068

[VALIDATION IMAGES]



Sample: Thymus (Mouse) Lysate at 40 ug
Primary: Anti-IFI-202 (SL8676R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD
Observed band size: 50 kD



Sample: Lymph (Mouse) Lysate at 40 ug
Primary: Anti-IFI-202 (SL8676R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD
Observed band size: 50 kD

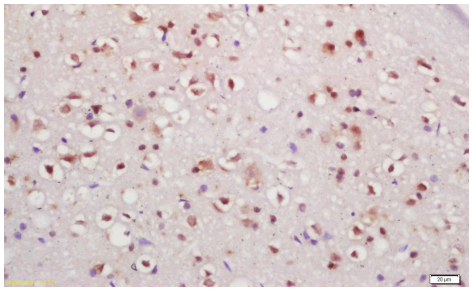
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Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-IFI-202 Polyclonal Antibody, Unconjugated(SL8676R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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