RIG-I-LIKE RECEPTOR SIGNALING PATHWAY

Paramyxoviridae
  Newcastle disease virus
  Sendai virus
Orthomyxoviridae
  Influenza virus
Rhabdoviridae
  Vesicular stomatitis virus
  Rabies virus
Flaviviridae
  Japanese encephalitis virus
  Hepatitis C virus

Flaviviridae
  West Nile virus
  Dengue virus
Reoviridae
  Reovirus

Picornaviridae
  Encephalomyocarditis virus
  Polio virus
  Rhinovirus
  Theiler's virus
  Mengo virus
  Foot-and-mouse disease virus

5'-ppp ssRNA
short dsRNA

long dsRNA

Endoplasmic reticulum

Mitochondria

Uniquitin-mediated proteolysis

Uniquitin-mediated proteolysis

homo/heterodimer formation

Apoptosis

MAPK signaling pathway

Type I interferon

Jak-STAT signaling pathway

Protein synthesis
Growth arrest
Dendritic cell activation
NK cell activation
CTL differentiation
Antibody production
Apoptosis

Inflammatory cytokines

DNA

DNA

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