

RIG-I (CTD) Anti-Human Rabbit IgG Affinity Purify

Polyclonal Antibody

Cat.NO.: PA01332

3th Edition

Description: RIG-I (retinoic acid inducible gene-I) is one of cytoplasmic viral sensors which has a RNA helicase domain and it is believed to recognize virus-derived double-stranded RNA (dsRNA). It is considered that RIG-I normally exist as inactive form in cytoplasm and turns to active form when it recognizes dsRNA produced as a by-product of viral replication. And it is thought that active form of RIG-I exposes a signaling domain called CARD (caspase recruitment domain) which had been hidden by the steric hindrance and the downstream signaling is activated by interaction of the CARD with IPS-1 expressed on a mitochondria, eventually induces the activation of interferon gene. Thus, RIG-I is believed to play an important role in viral infection-induced signaling. This antibody recognizes CTD (C terminal domain) of RIG-I and is able to detect RIG-I localized in avSGs (antiviral stress granules) that are genesis-induced in virus-infected cells

Antigen: Synthetic peptide of CTD domain of human RIG-I (SQEKPKPVPDKENKLLC)

Form: Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Cross-reacts with mouse.