

Product datasheet

Human DDX58 peptide ab23038

概述

产品名称 人DDX58肽

描述

性质 Synthetic

氨基酸序列

种属 Human

序列 TLSVVGPHPKPCIL

氨基酸 97 to 110

技术指标

Our [Abpromise guarantee](#) covers the use of **ab23038** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Blocking

形式 Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

常规信息

功能 Involved in innate immune defense against viruses. Upon interaction with intracellular dsRNA produced during viral replication, triggers a transduction cascade involving MAVS/IPS1, which results in the activation of NF-kappa-B, IRF3 and IRF7 and the induction of the expression of antiviral cytokines such as IFN-beta and RANTES (CCL5). Detects dsRNA produced from non-self dsDNA by RNA polymerase III, such as Epstein-Barr virus-encoded RNAs (EBERs). Essential for the production of interferons in response to RNA viruses including paramyxoviruses, influenza viruses, Japanese encephalitis virus and HCV.

组织特异性 Present in vascular smooth cells (at protein level).

序列相似性	<p>Belongs to the helicase family.</p> <p>Contains 2 CARD domains.</p> <p>Contains 1 helicase ATP-binding domain.</p> <p>Contains 1 helicase C-terminal domain.</p>
结构域	<p>The repressor domain controls homomultimerization and interaction with MAVS.</p> <p>The helicase domain is responsible for dsRNA recognition.</p> <p>The 2 CARD domains are responsible for interaction with and signaling through MAVS.</p> <p>The second CARD domain is the primary site for 'Lys-63'-linked ubiquitination.</p>
翻译后修饰	<p>Isgylated. Conjugated to ubiquitin-like protein ISG15 upon IFN-beta stimulation.</p> <p>Ubiquitinated. Undergoes 'Lys-63'-linked ubiquitination. Lys-172 is the critical site for TRIM25-mediated ubiquitination, for MAVS binding and to induce anti-viral signal transduction. Lys-154, Lys-164 and Lys-172 are critical sites for RNF135-mediated ubiquitination. Deubiquitinated by CYLD, a protease that selectively cleaves 'Lys-63'-linked ubiquitin chains.</p>
细胞定位	<p>Cytoplasm. Colocalized with TRIM25 at cytoplasmic perinuclear bodies.</p>

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