Datasheet for ABIN677717

anti-AU5 Epitope Tag antibody (HRP)

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Overview

Quantity:	100 µL
Target:	AU5 Epitope Tag (TDFYLK)
Reactivity:	Tag
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AU5 Epitope Tag antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	KLH conjugated to AU5 tag
Sequence:	TDFYLK
Isotype:	IgG
Cross-Reactivity:	Tag
Cross-Reactivity (Details):	fusion protein,tagged T7 tag
Characteristics:	Antibody is specific for: fusion protein,tagged T7 tag
Purification:	Purified by Protein A.

Target Details

Target:	AU5 Epitope Tag (TDFYLK)
Alternative Name:	AU5 tag (TDFYLK Products)

Target Details

Target Type:	Tag
Background:	Synonyms: AU5 epitope tag, TDFYLK epitope tag, TDFYLK tag. Background: Core protein packages viral RNA to form a viral nucleocapsid, and promotes virion budding. Modulates viral translation initiation by interacting with HCV IRES and 40S ribosomal subunit. Also regulates many host cellular functions such as signaling pathways and apoptosis. Prevents the establishment of cellular antiviral state by blocking the interferon-alpha/beta (IFN-alpha/beta) and IFN-gamma signaling pathways and by inducing human STAT1 degradation. Plays an important role in virus-mediated cell transformation leading to hepatocellular carcinomas. Interacts with, and activates STAT3 leading to cellular transformation. May repress the promoter of p53, and sequester CREB3 and SP110 isoform3/Sp110b in the cytoplasm. Also represses cell cycle negative regulating factor CDKN1A, thereby interrupting an important check point of normal cell cycle regulation. Targets transcription factors involved in the regulation of inflammatory responses and in the immune response: suppresses NK-kappaB activation, and activates AP-1. Mediates apoptotic pathways throught association with TNF-type receptors TNFRSF1A and LTBR, although its effect on death receptors-induced apoptosis remains controvertial. Enhances TRAIL mediated apoptosis, suggesting that it might play a role in mediated apoptosis, suggesting that it might play a role in immune-mediated liver cell injury. Secreted core protein is able to bind C1QR1 at the T-cell surface, resulting in down-regulation of T-lymphocytes proliferation. May transactivate human MYC, Rous sarcoma virus LTR, and SV40 promoters. May suppress the human FOS and HIV-1 LTR activity. May alter lipid metabolism by interacting with hepatocellular proteins involved in lipid accumulation and storage.

Application Details

Application Notes:	ELISA 1:500-1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Gentamicin sulfate

Handling

Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months