

Product datasheet

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ARG41205 anti-KIAA0101 antibody

Package: 100 μl Store at: -20°C

Summary

Clonality

Product Description Rabbit Polyclonal antibody recognizes KIAA0101

Polyclonal

Tested Reactivity Hu

Tested Application WB

Host Rabbit

Isotype IgG

Target Name KIAA0101

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-111 of Human KIAA0101 (NP_055551.1).

Conjugation Un-conjugated

Alternate Names NS5ATP9; p15PAF; OEATC1; p15/PAF; PCNA-associated factor of 15 kDa; PCNA-associated factor; L5;

p15(PAF); HCV NS5A-transactivated protein 9; PAF; OEATC-1; Overexpressed in anaplastic thyroid

carcinoma 1; PAF15; OEATC; Hepatitis C virus NS5A-transactivated protein 9

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT-29	
Observed Size	12 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol KIAA0101

Gene Full Name KIAA0101

Function PCNA-binding protein that acts as a regulator of DNA repair during DNA replication. Following DNA

damage, the interaction with PCNA is disrupted, facilitating the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, facilitating the bypass of replication-fork-blocking lesions. Also acts as a regulator of centrosome number.

[UniProt]

Calculated Mw 12 kDa

PTM Monoubiquitinated at Lys-15 and Lys-24 during normal S phase, promoting its association with PCNA.

Also diubiquitinated at these 2 sites. Following DNA damage, monoubiquitin chains at Lys-15 and Lys-24 are probably extended, leading to disrupt the interaction with PCNA. Polyubiquitinated by the APC/C

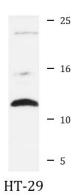
complex at the mitotic exit, leading to its degradation by the proteasome. [UniProt]

Cellular Localization Nucleus. Cytoplasm, perinuclear region. Note=Following DNA damage, localizes to DNA damage sites

(PubMed:21628590). Colocalizes with centrosomes in perinuclear region (PubMed:21673012).

[UniProt]

Images



ARG41205 anti-KIAA0101 antibody WB image

Western blot: 25 μg of HT-29 cell lysate stained with ARG41205 anti-KIAA0101 antibody at 1:1000 dilution.