

ARG41205 anti-KIAA0101 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KIAA0101
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
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	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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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				

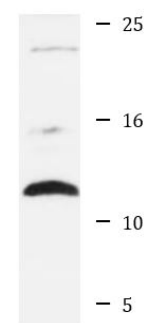
Properties

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



HT-29

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.