

ARG43152 anti-NPLOC4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NPLOC4
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NPLOC4
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-270 of Human NPLOC4 (NP_060391.2).
Conjugation	Un-conjugated
Alternate Names	Nuclear protein localization protein 4 homolog; NPL4; Protein NPL4

Application Instructions

Predict Reactivity Note	Rat						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>ICC/IF</td><td>1:50 - 1:200</td></tr> <tr> <td>WB</td><td>1:1000 - 1:2000</td></tr> </table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:1000 - 1:2000
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WB	1:1000 - 1:2000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	Mouse lung						
Observed Size	~ 68 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.

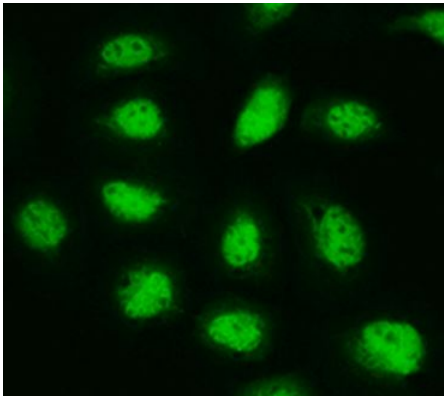
Note

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

Bioinformation

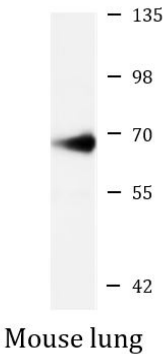
Gene Symbol	NPLOC4
Gene Full Name	NPL4 homolog, ubiquitin recognition factor
Function	The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and UFD1, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I (PubMed:26471729). [UniProt]
Calculated Mw	68 kDa
Cellular Localization	Cytoplasm, cytosol. Endoplasmic reticulum. Nucleus. Note=Associated with the endoplasmic reticulum and nuclear. [UniProt]

Images



ARG43152 anti-NPLOC4 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG43152 anti-NPLOC4 antibody at 1:100 dilution.



ARG43152 anti-NPLOC4 antibody WB image

Western blot: 25 µg of Mouse lung lysate stained with ARG43152 anti-NPLOC4 antibody at 1:3000 dilution.