

ARG45411 anti-NDFIP2 antibody [10D6D7]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes NDFIP2
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	10D6D7
Isotype	IgG2b
Target Name	NDFIP2
Species	Human
Immunogen	Recombinant protein containing to human NDFIP2.
Conjugation	Un-conjugated
Alternate Names	NDFIP2; Nedd4 Family Interacting Protein 2; KIAA1165; N4wbp5a; Putative MAPK-Activating Protein PM04/PM05/PM06/PM07; Putative NF-Kappa-B-Activating Protein 413; NEDD4 Family-Interacting Protein 2; NEDD4 WW Domain-Binding Protein 5A; MAPK-Activating Protein PM04 PM05 PM06 PM07; NF-Kappa-B-Activating Protein 413; N4WBP5A

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	39 kDa	

Properties

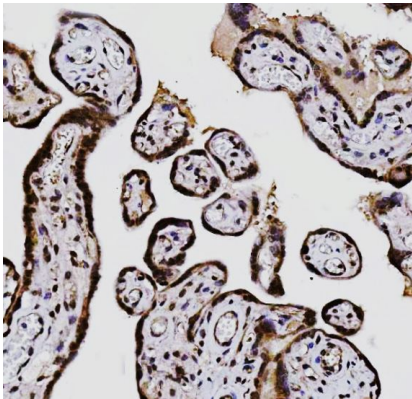
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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 or below. 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

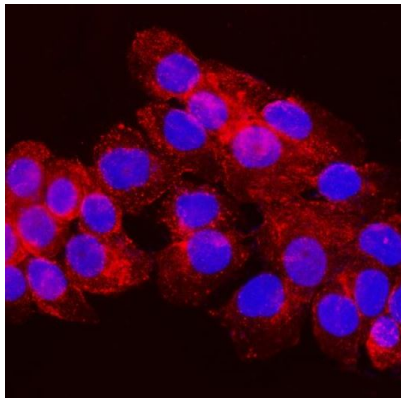
Gene Symbol	NDFIP2
Gene Full Name	Nedd4 Family Interacting Protein 2
Background	Enables WW domain binding activity. Involved in negative regulation of gene expression; negative regulation of transport; and positive regulation of protein ubiquitination. Located in several cellular components, including Golgi apparatus; mitochondrion; and perinuclear region of cytoplasm. [provided by Alliance of Genome Resources, Nov 2024]
Function	Activates HECT domain-containing E3 ubiquitin-protein ligases, including ITCH, NEDD4, NEDD4L, SMURF2, WWP1 and WWP2, and consequently modulates the stability of their targets. As a result, may control many cellular processes. Recruits ITCH, NEDD4 and SMURF2 to endosomal membranes. Negatively regulates KCNH2 potassium channel activity by decreasing its cell-surface expression and interfering with channel maturation through recruitment of NEDD4L to the Golgi apparatus and multivesicular body where it mediates KCNH2 degradation. [UniProt]
Calculated Mw	36 kDa
PTM	Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Endosome; Golgi apparatus; Membrane. [UniProt]

Images



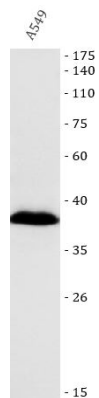
ARG45411 anti-NDFIP2 antibody [10D6D7] IHC-P image

Immunohistochemistry: Human placenta stained with ARG45411 anti-NDFIP2 antibody [10D6D7] at 2 µg/ml dilution.



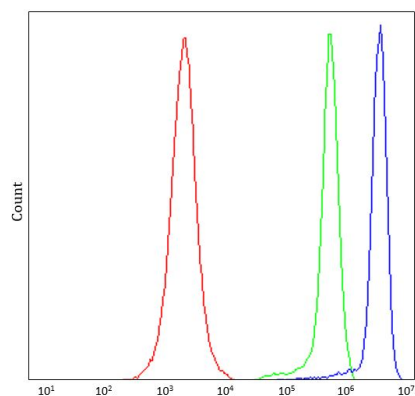
ARG45411 anti-NDFIP2 antibody [10D6D7] ICC/IF image

Immunofluorescence: A431 stained with ARG45411 anti-NDFIP2 antibody [10D6D7] at 5 µg/ml dilution.



ARG45411 anti-NDFIP2 antibody [10D6D7] WB image

Western blot: A549 stained with ARG45411 anti-NDFIP2 antibody [10D6D7] at 0.5 $\mu\text{g/ml}$ dilution.



ARG45411 anti-NDFIP2 antibody [10D6D7] FACS image

Flow Cytometry: JK stained with ARG45411 anti-NDFIP2 antibody [10D6D7] at 1 $\mu\text{g}/10^6$ cells dilution.