

ARG44050 anti-NDP52 antibody [9E2F2]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes NDP52
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	9E2F2
Isotype	IgG2b
Target Name	NDP52
Species	Human
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-446 of Human NDP52.
Conjugation	Un-conjugated
Alternate Names	CALCOCO2; Calcium Binding And Coiled-Coil Domain 2; NDP52; Calcium-Binding And Coiled-Coil Domain-Containing Protein 2; Antigen Nuclear Dot 52 KDa Protein; Nuclear Domain 10 Protein NDP52; Nuclear Domain 10 Protein 52; Nuclear Dot Protein 52; MGC17318

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶ cells
	ICC/IF	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.

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
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. 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.

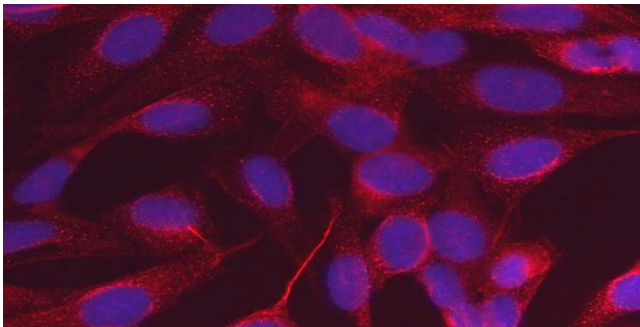
Note

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

Bioinformation

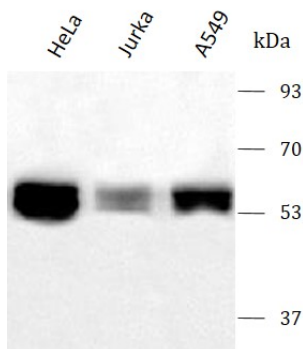
Gene Symbol	CALCOCO2
Gene Full Name	Calcium Binding And Coiled-Coil Domain 2
Background	This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a receptor for ubiquitin-coated bacteria and plays an important role in innate immunity by mediating macroautophagy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Function	Xenophagy-specific receptor required for autophagy-mediated intracellular bacteria degradation. Acts as an effector protein of galectin-sensed membrane damage that restricts the proliferation of infecting pathogens such as <i>Salmonella typhimurium</i> upon entry into the cytosol by targeting LGALS8-associated bacteria for autophagy.
Calculated Mw	52 kDa
PTM	Phosphoprotein
Cellular Localization	Cytoplasm, Cytoplasmic vesicle, Cytoskeleton, Membrane

Images



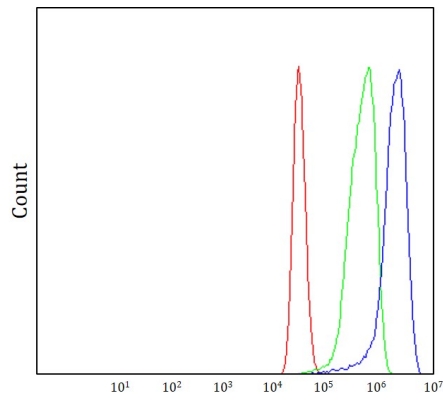
ARG44050 anti-NDP52 antibody [9E2F2] ICC/IF image

Immunofluorescence: U2OS stained with ARG44050 anti-NDP52 antibody [9E2F2] at 5 µg/mL dilution.



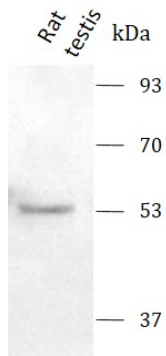
ARG44050 anti-NDP52 antibody [9E2F2] WB image

Western blot: HeLa, Jurkat and A549 stained with ARG44050 anti-NDP52 antibody [9E2F2] at 0.5 µg/mL dilution.



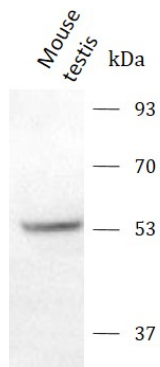
ARG44050 anti-NDP52 antibody [9E2F2] FACS image

Flow Cytometry: MCF-7 stained with ARG44050 anti-NDP52 antibody [9E2F2] at $1\text{ }\mu\text{g}/1\times 10^6$ dilution.



ARG44050 anti-NDP52 antibody [9E2F2] WB image

Western blot: Rat testis stained with ARG44050 anti-NDP52 antibody [9E2F2] at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.



ARG44050 anti-NDP52 antibody [9E2F2] WB image

Western blot: Mouse testis stained with ARG44050 anti-NDP52 antibody [9E2F2] at $0.5\text{ }\mu\text{g}/\text{mL}$ dilution.