

## ARG63258 anti-UBE2C / UBCH10 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes UBE2C / UBCH10
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IP, WB
Specificity	This antibody is expected to recognise all reported isoforms. Variants NP_861517.1 and NP_861518.1 encode the same isoform.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	UBE2C / UBCH10
Species	Human
Immunogen	C-QETYSKQVTSQEP
Conjugation	Un-conjugated
Alternate Names	EC 6.3.2.19; Ubiquitin carrier protein C; UBCH10; Ubiquitin-protein ligase C; Ubiquitin-conjugating enzyme E2 C; UbcH10; dJ447F3.2

### Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IP	Assay - dependent
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

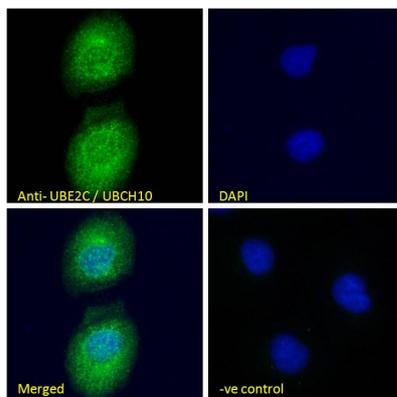
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

<b>Storage instruction</b>	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.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

<b>Database links</b>	<a href="#">GeneID: 11065 Human</a>  <a href="#">Swiss-port # O00762 Human</a>
<b>Background</b>	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is required for the destruction of mitotic cyclins and for cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]
<b>Research Area</b>	Cell Biology and Cellular Response antibody; Gene Regulation antibody
<b>Calculated Mw</b>	20 kDa
<b>PTM</b>	Autoubiquitinated by the APC/C complex, leading to its degradation by the proteasome. Its degradation plays a central role in APC/C regulation, allowing cyclin-A accumulation before S phase entry. APC/C substrates inhibit the autoubiquitination of UBE2C/UBCH10 but not its E2 function, hence APC/C remaining active until its substrates have been destroyed.

## Images



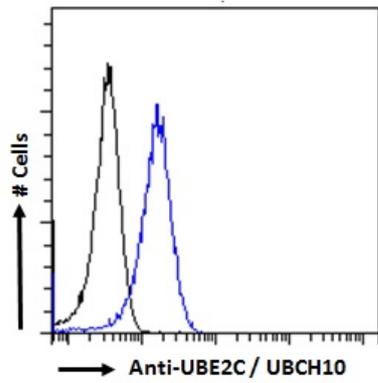
ARG63258 anti-UBE2C / UBCH10 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG63258 anti-UBE2C / UBCH10 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



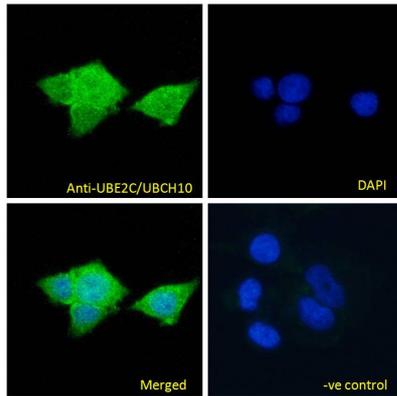
ARG63258 anti-UBE2C / UBCH10 antibody WB image

Western blot: 35 µg of HEK293 (A) and HeLa (B) cell lysates (in RIPA buffer) stained with ARG63258 anti-UBE2C / UBCH10 antibody at 2 µg/ml dilution and incubated at RT for 1 hour.



#### ARG63258 anti-UBE2C / UBCH10 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63258 anti-UBE2C / UBCH10 antibody (blue line) at 10  $\mu\text{g}/\text{ml}$  dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



#### ARG63258 anti-UBE2C / UBCH10 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton. Cells were stained with ARG63258 anti-UBE2C / UBCH10 antibody (green) at 10  $\mu\text{g}/\text{ml}$  dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10  $\mu\text{g}/\text{ml}$  dilution.