

ARG43060 anti-UBR2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes UBR2
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	UBR2
Species	Human
Immunogen	Recombinant protein corresponding to Q10-A664 of Human UBR2.
Conjugation	Un-conjugated
Alternate Names	C6orf133; bA49A4.1; EC 6.3.2.-; N-recogin-2; Ubiquitin-protein ligase E3-alpha-II; E3 ubiquitin-protein ligase UBR2; dj392M17.3; Ubiquitin-protein ligase E3-alpha-2; dj242G1.1

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000

Application Note IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 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 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.

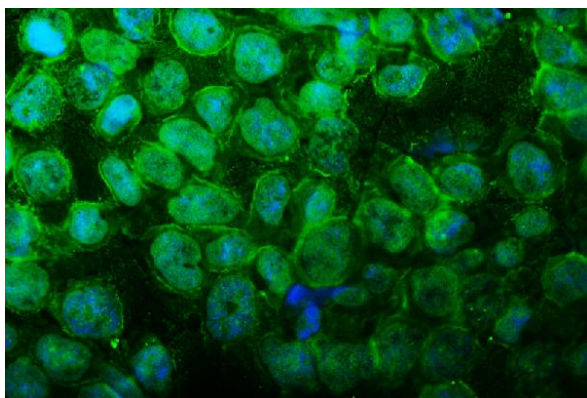
Note

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

Bioinformation

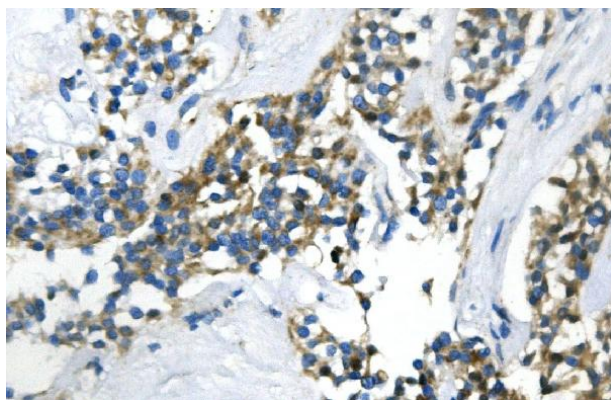
Gene Symbol	UBR2
Gene Full Name	ubiquitin protein ligase E3 component n-recognin 2
Background	This gene encodes an E3 ubiquitin ligase of the N-end rule proteolytic pathway that targets proteins with destabilizing N-terminal residues for polyubiquitylation and proteasome-mediated degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Function	E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation. Plays a critical role in chromatin inactivation and chromosome-wide transcriptional silencing during meiosis via ubiquitination of histone H2A. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth. Required for spermatogenesis, promotes, with Tex19.1, SPO11-dependent recombination foci to accumulate and drive robust homologous chromosome synapsis (By similarity). Polyubiquitinates LINE-1 retrotransposon encoded, LIRE1, which induces degradation, inhibiting LINE-1 retrotransposon mobilization (By similarity). [UniProt]
Calculated Mw	201 kDa
Cellular Localization	Nucleus. Note=Associated with chromatin during meiosis. [UniProt]

Images



ARG43060 anti-UBR2 antibody ICC/IF image

Immunofluorescence: HepG2 cells were blocked with 10% goat serum and then stained with ARG43060 anti-UBR2 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.

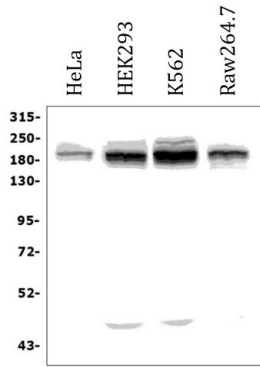


ARG43060 anti-UBR2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreatic cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43060 anti-UBR2 antibody at 1 µg/ml dilution, overnight at 4°C.

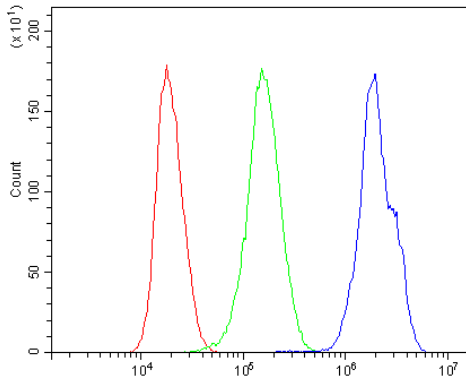
ARG43060 anti-UBR2 antibody WB image

Western blot: 50 µg of sample under reducing conditions. HeLa, HEK293, K562 and Raw264.7 cell lysates stained with ARG43060 anti-UBR2 antibody at 0.25 µg/ml dilution, overnight at 4°C.



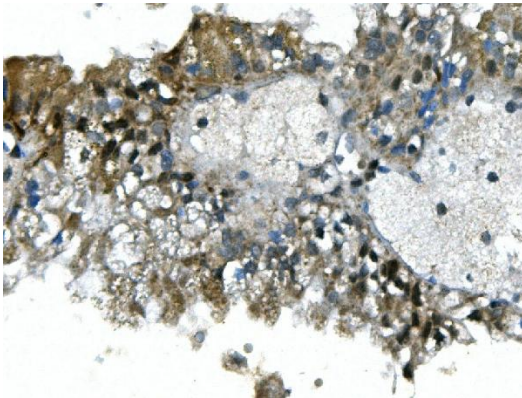
ARG43060 anti-UBR2 antibody FACS image

Flow Cytometry: HepG2 cells were blocked with 10% normal goat serum and then stained with ARG43060 anti-UBR2 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG43060 anti-UBR2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human renal cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43060 anti-UBR2 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43060 anti-UBR2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human renal cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43060 anti-UBR2 antibody at 1 µg/ml dilution, overnight at 4°C.

