

## ARG56849 anti-ARFBP1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ARFBP1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ARFBP1
Species	Human
Immunogen	Synthetic peptide (19 aa) within aa. 4250-4300 of Human ARF-BP1.
Conjugation	Un-conjugated
Alternate Names	HECT, UBA and WWE domain-containing protein 1; HectH9; EC 6.3.2.-; HSPC272; ARF-binding protein 1; Mule; Homologous to E6AP carboxyl terminus homologous protein 9; E3 ubiquitin-protein ligase HUWE1; HECTH9; ARF-BP1; URE-binding protein 1; Ib772; Mcl-1 ubiquitin ligase E3; LASU1; UREB1; Large structure of UREB1; MULE; Upstream regulatory element-binding protein 1; URE-B1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	5 - 20 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Daudi cell lysate	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 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

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Database links

[GeneID: 10075 Human](#)

[Swiss-port # Q7Z6Z7 Human](#)

Gene Symbol

HUWE1

Gene Full Name

HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase

Background

This gene encodes a protein containing a C-terminal HECT (E6AP type E3 ubiquitin protein ligase) domain that functions as an E3 ubiquitin ligase. The encoded protein is required for the ubiquitination and subsequent degradation of the anti-apoptotic protein Mcl1 (myeloid cell leukemia sequence 1 (BCL2-related)). This protein also ubiquitinates the p53 tumor suppressor, core histones, and DNA polymerase beta. Mutations in this gene are associated with Turner type X-linked syndromic mental retardation. [provided by RefSeq, Aug 2013]

Function

E3 ubiquitin-protein ligase which mediates ubiquitination and subsequent proteasomal degradation of target proteins. Regulates apoptosis by catalyzing the polyubiquitination and degradation of MCL1. Mediates monoubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair. Also ubiquitinates the p53/TP53 tumor suppressor and core histones including H1, H2A, H2B, H3 and H4. Binds to an upstream initiator-like sequence in the preprodynorphin gene. Regulates neural differentiation and proliferation by catalyzing the polyubiquitination and degradation of MYCN. May regulate abundance of CDC6 after DNA damage by polyubiquitinating and targeting CDC6 to degradation. Mediates polyubiquitination of isoform 2 of PA2G4. [UniProt]

Calculated Mw

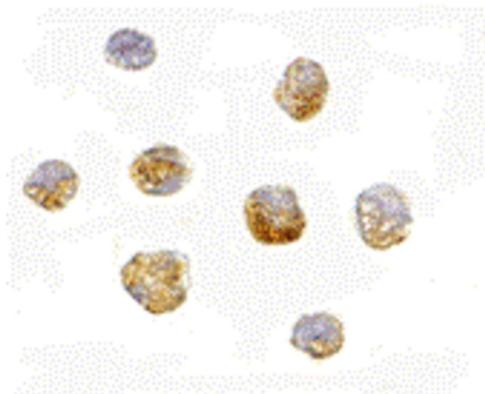
482 kDa

PTM

Phosphorylated on tyrosine; phosphorylation is probably required for its ability to inhibit TP53 transactivation.

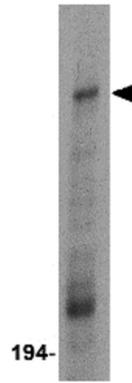
## Images

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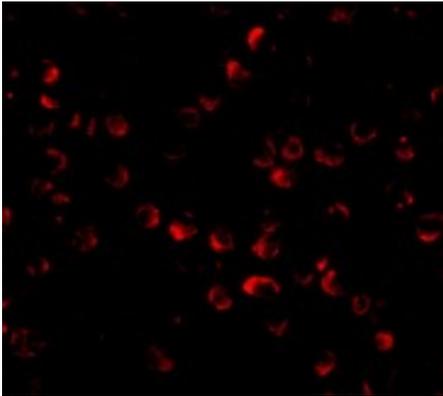
ARG56849 anti-ARFBP1 antibody ICC/IF image

Immunocytochemistry: Daudi cells stained with ARG56849 anti-ARFBP1 antibody at 5 µg/ml dilution.



ARG56849 anti-ARFBP1 antibody WB image

Western blot: Daudi cell lysate stained with ARG56849 anti-ARFBP1 antibody at 1  $\mu$ g/ml dilution.



ARG56849 anti-ARFBP1 antibody ICC/IF image

Immunofluorescence: Daudi cells stained with ARG56849 anti-ARFBP1 antibody at 20  $\mu$ g/ml dilution.