

## ARG43142 anti-REA antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes REA
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	REA
Species	Human
Immunogen	Recombinant protein corresponding to M1-K299 of Human REA.
Conjugation	Un-conjugated
Alternate Names	BAP; Bap37; BCAP37; D-prohibitin; Repressor of estrogen receptor activity; Prohibitin-2; PNAS-141; B-cell receptor-associated protein BAP37; p22; hBAP; REA

### 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.	
Observed Size	~ 32 kDa	

### Properties

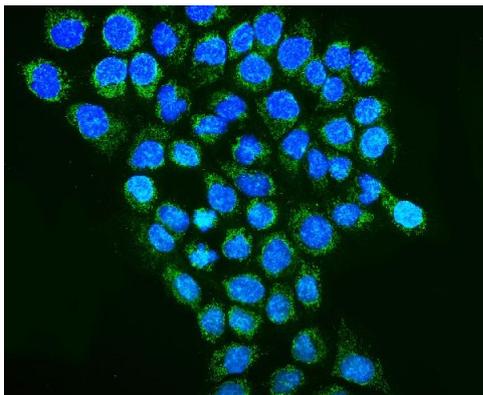
Form	Liquid
Purification	Immunogen affinity purified.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

<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

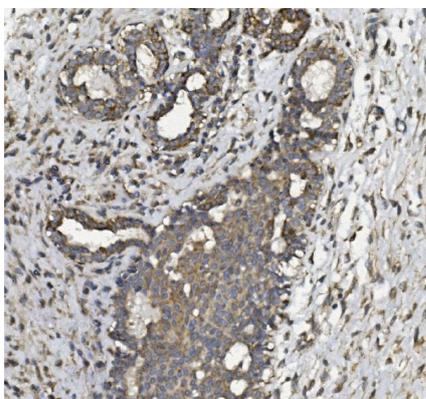
<b>Gene Symbol</b>	PHB2
<b>Gene Full Name</b>	prohibitin 2
<b>Function</b>	Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases (By similarity). Functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. Competes with NCOA1 for modulation of ER transcriptional activity. In mitochondria, regulates cytochrome-c oxidase assembly (COX) and mitochondrial respiration. Binding to sphingoid 1-phosphate (SPP) modulates its regulator activity (PubMed:20959514). [UniProt]
<b>Calculated Mw</b>	33 kDa
<b>Cellular Localization</b>	Mitochondrion inner membrane. Cytoplasm. Nucleus. [UniProt]

## Images



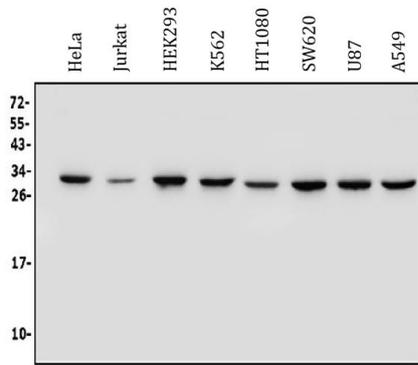
ARG43142 anti-REA antibody ICC/IF image

Immunofluorescence: A431 cells were blocked with 10% goat serum and then stained with ARG43142 anti-REA antibody (green) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



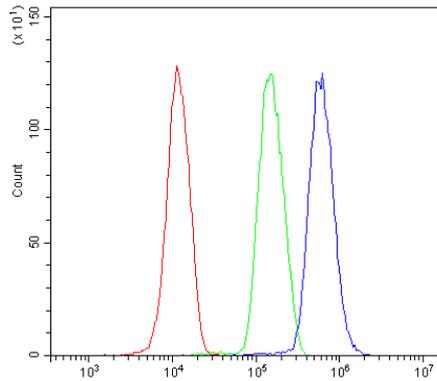
ARG43142 anti-REA antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary 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 ARG43142 anti-REA antibody at 2 µg/ml dilution, overnight at 4°C.



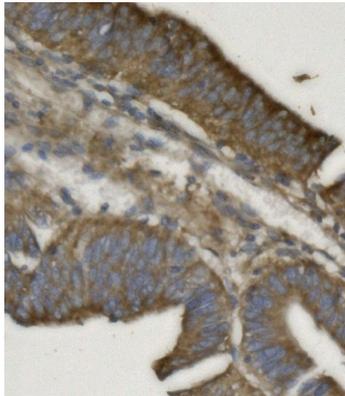
ARG43142 anti-REA antibody WB image

Western blot: 50 µg of sample under reducing conditions. HeLa, Jurkat, HEK293, K562, HT1080, SW620, U87 and A549 whole cell lysates stained with ARG43142 anti-REA antibody at 0.25 µg/ml dilution, overnight at 4°C.



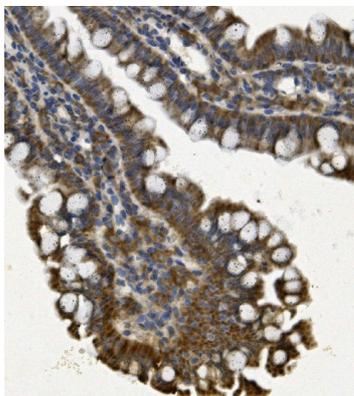
ARG43142 anti-REA antibody FACS image

Flow Cytometry: HL-60 cells were blocked with 10% normal goat serum and then stained with ARG43142 anti-REA antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



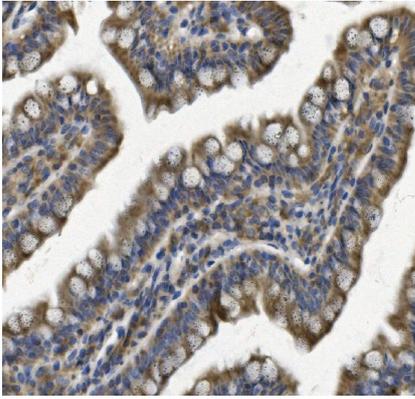
ARG43142 anti-REA antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal 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 ARG43142 anti-REA antibody at 2 µg/ml dilution, overnight at 4°C.



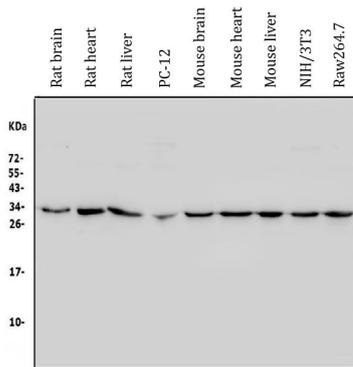
ARG43142 anti-REA antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine 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 ARG43142 anti-REA antibody at 2 µg/ml dilution, overnight at 4°C.



#### ARG43142 anti-REA antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine 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 ARG43142 anti-REA antibody at 2  $\mu\text{g}/\text{ml}$  dilution, overnight at 4°C.



#### ARG43142 anti-REA antibody WB image

Western blot: 50  $\mu\text{g}$  of sample under reducing conditions. Rat brain, Rat heart, Rat liver, PC-12, Mouse brain, Mouse heart, Mouse liver, NIH/3T3, Raw264.7 whole cell lysates stained with ARG43142 anti-REA antibody at 0.25  $\mu\text{g}/\text{ml}$  dilution, overnight at 4°C.