

## ARG43091 anti-HECTD3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HECTD3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HECTD3
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human HECTD3. (HYASAKVCEEKLRYYAAYNCVAIDTDMSPWEE)
Conjugation	Un-conjugated
Alternate Names	E3 ubiquitin-protein ligase HECTD3; EC 6.3.2.-; HECT domain-containing protein 3

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Caco-2, Rat brain and Mouse brain	
Observed Size	~ 97 kDa	

### Properties

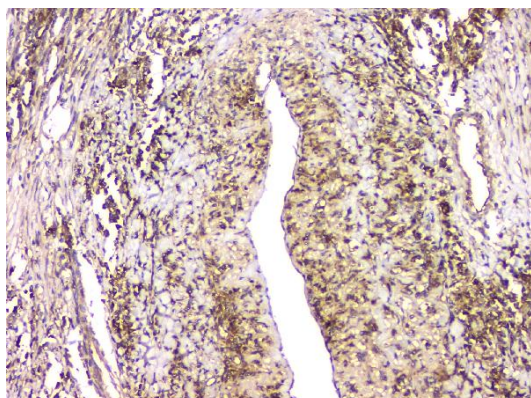
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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

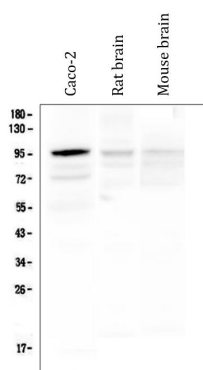
Gene Symbol	HECTD3
Gene Full Name	HECT domain containing E3 ubiquitin protein ligase 3
Background	The protein encoded by this gene transfers ubiquitin from an E2 ubiquitin-conjugating enzyme to targeted substrates, leading to the degradation of those substrates. The encoded protein has been shown to transfer ubiquitin to TRIOBP to facilitate cell cycle progression, and to STX8. [provided by RefSeq, Dec 2012]
Function	E3 ubiquitin ligases accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates ubiquitination of TRIOBP and its subsequent proteasomal degradation, thus facilitating cell cycle progression by regulating the turn-over of TRIOBP. Mediates also ubiquitination of STX8 (By similarity). [UniProt]
Calculated Mw	97 kDa
Cellular Localization	Cytoplasm, perinuclear region. [UniProt]

## Images



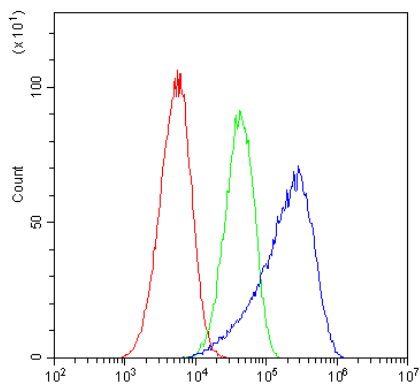
ARG43091 anti-HECTD3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43091 anti-HECTD3 antibody at 1 µg/ml dilution, overnight at 4°C.



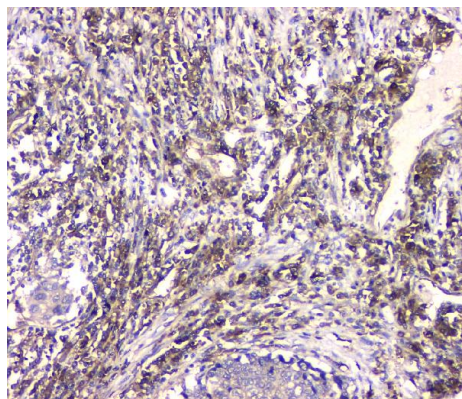
ARG43091 anti-HECTD3 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Caco-2, Rat brain and Mouse brain lysates stained with ARG43091 anti-HECTD3 antibody at 0.5 µg/ml dilution, overnight at 4°C.



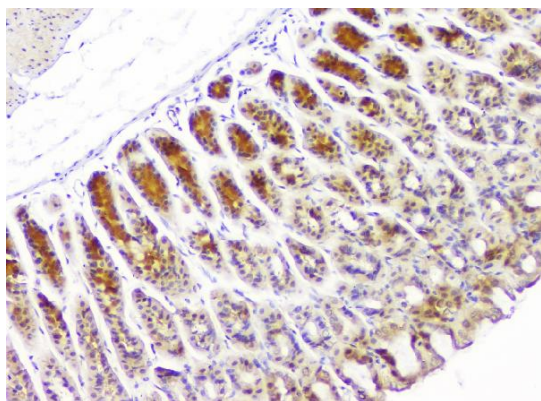
#### ARG43091 anti-HECTD3 antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG43091 anti-HECTD3 antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG43091 anti-HECTD3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43091 anti-HECTD3 antibody at  $1 \mu\text{g}/\text{ml}$  dilution, overnight at  $4^\circ\text{C}$ .



#### ARG43091 anti-HECTD3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse gaster tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43091 anti-HECTD3 antibody at  $1 \mu\text{g}/\text{ml}$  dilution, overnight at  $4^\circ\text{C}$ .