

For Research Use Only

HECTD3 Polyclonal antibody

Catalog Number: 11487-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

11487-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1998

GenBank Accession Number:

BC019105

GeneID (NCBI):

79654

UNIPROT ID:

Q5T447

Full Name:

HECT domain containing 3

Calculated MW:

861 aa, 97 kDa

Observed MW:

97 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, MDA-MB-453s cells

IP : MDA-MB-453s cells,

IHC : human stomach tissue,

Background Information

HECTD3(HECT domain-containing protein 3) may be involved in the regulation of mitotic metaphase/anaphase transition. It can specifically ubiquitinate TRIOBP and target it for proteasomal degradation and it can also mediate the ubiquitination of STX8. HECTD3 is a new oncogenic E3 ligase in human prostate cancer.(Li Y, etc. 2008) HECTD3 may facilitate cell cycle progression via regulating ubiquitination and degradation of Tara(PMID:18194665). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Guanghui Zhang	36088509	Br J Cancer	WB,IP
Zhijian Zheng	34094975	Front Oncol	WB
Peng Gao	33608556	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

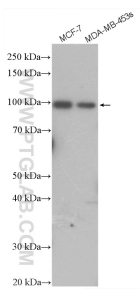
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

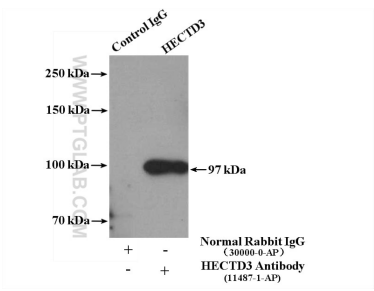
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

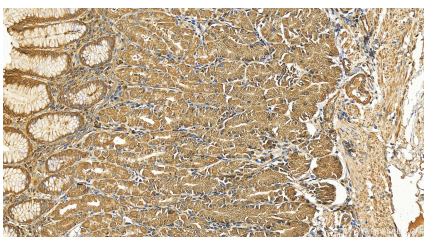
Selected Validation Data



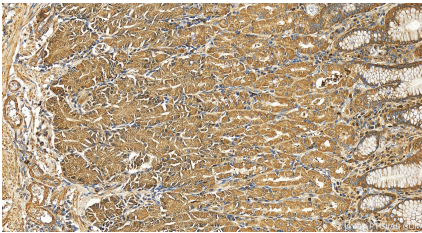
MCF-7 cells were subjected to SDS PAGE followed by western blot with 11487-1-AP (HECTD3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-HECTD3 (IP:11487-1-AP, 4ug; Detection:11487-1-AP 1:300) with MDA-MB-453s cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11487-1-AP (HECTD3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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