

For Research Use Only

UBR4 Polyclonal antibody

Catalog Number: 15966-1-AP



Basic Information

Catalog Number: 15966-1-AP	GenBank Accession Number: BC018694	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 260 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23352	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	Full Name: ubiquitin protein ligase E3 component n-recognin 4	
Isotype: IgG	Calculated MW: 5183 aa, 570 kDa	
Immunogen Catalog Number: AG8740	Observed MW: 570 kDa, 270 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Species Specificity:
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: HEK-293 cells, HeLa cells, mouse kidney tissue

IP: HeLa cells,

IHC: human pancreas cancer tissue, mouse testis tissue, human lung cancer tissue

IF: HeLa cells,

Background Information

UBR4 (ubiquitin N-recognin domain-containing E3 ligase 4), also named P600, is an E3 ligase that can bind N-end rule substrates. UBR4-deficient mice die during embryogenesis and exhibit pleiotropic abnormalities (PMID: 23431188). UBR4 plays a role in membrane morphogenesis and extracellular matrix-mediated cell survival and signaling, human papillomavirus (HPV) E7-mediated cellular immortalization, and migration and development of neurons (PMID: 33658508, 25084275). The full-length UBR4 protein has a predicted size of ~570 kDa.

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

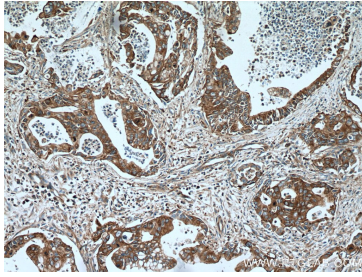
For technical support and original validation data for this product please contact:

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

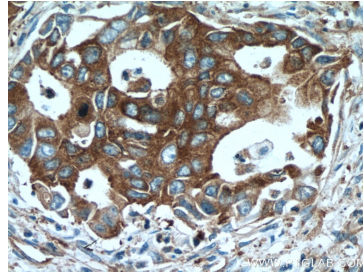
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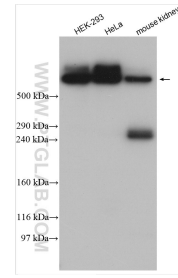
Selected Validation Data



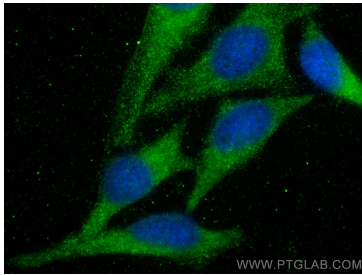
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15966-1-AP (UBR4 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



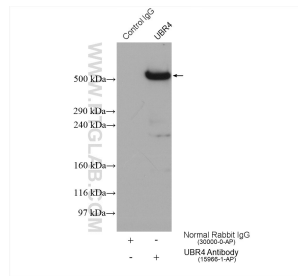
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15966-1-AP (UBR4 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to Tris-acetate gel system followed by western blot with 15966-1-AP (UBR4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using UBR4 antibody (15966-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-UBR4(IP:15966-1-AP, 4ug; Detection:15966-1-AP 1:2000) with HeLa cells lysate 1760 ug.