

For Research Use Only

USP50 Polyclonal antibody

Catalog Number: 20374-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

20374-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_203494

GeneID (NCBI):

373509

UNIPROT ID:

Q70EL3

Full Name:

ubiquitin specific peptidase 50

Calculated MW:

39 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 : mouse brain tissue, mouse testis tissue

IHC : mouse testis tissue, human hepatocirrhosis tissue, human testis tissue

IF/ICC : HEK-293 cells,

Background Information

Ubiquitin-specific protease 50 (USP50) belongs to the peptidase C19 family. USP50 has been shown to regulate cell cycle and DNA repair through interaction with the Wee1 protein in transformed human osteosarcoma and human epithelial cell lines. USP50 has also been shown to play a role in inflammasomal function through targeting the adaptor protein (PMID: 29101126). USP50 has 2 isoforms with the molecular mass of 38 and 39 kDa. Sometimes higher molecular weight around 44 kDa can also be observed, which may be a modified variant of USP50.

Notable Publications

Author	Pubmed ID	Journal	Application
Junting Cai	29101126	J Investig Med	WB
Rongqing Li	34976224	Theranostics	WB
Yibo Zuo	36876523	EMBO Rep	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

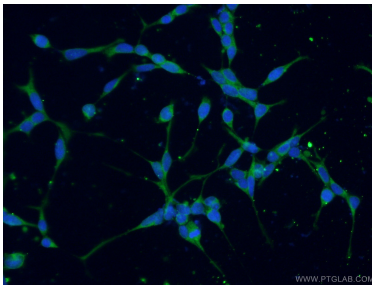
For technical support and original validation data for this product please contact:

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.

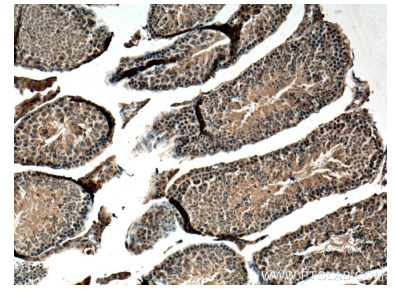
Selected Validation Data



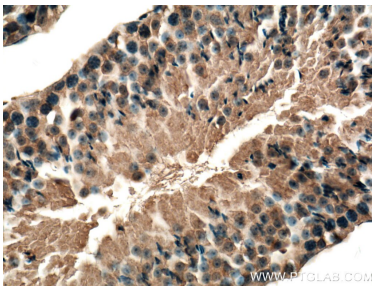
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 20374-1-AP (USP50 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20374-1-AP (USP50 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 20374-1-AP (USP50 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 20374-1-AP (USP50 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).