

For Research Use Only

OVCA1 Polyclonal antibody

Catalog Number: 20112-1-AP



Basic Information

Catalog Number: 20112-1-AP	GenBank Accession Number: BC003099	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 170 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1801	Recommended Dilutions: WB 1:500-1:1000 IF 1:20-1:200
Source: Rabbit	Full Name: DPH1 homolog (S. cerevisiae)	
Isotype: IgG	Calculated MW: 489 aa, 52 kDa	
Immunogen Catalog Number: AG13910	Observed MW: 40-60 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, IF : HeLa cells,

Background Information

OVCA1, also named as DPH1, is an evolutionarily conserved gene, indicative of a fundamental biological role in a variety of species. In humans, OVCA1 was initially mapped within the deletion region of 17p13.3 involved in early ovarian cancer (PMID: 8564979). Ovca1-null mice, mainly addressed its tumor suppressive role and potential cooperative role in modifying p53-deficient tumorigenesis (PMID: 14744934). OVCA1 acts as a component of an enzyme complex with DPH2, DPH3 and DPH4 that functionally catalyzes the first step of the diphthamide biosynthesis pathway, to posttranslationally modify a conserved histidine residue (His699 in yeast and His715 in human) of eukaryotic elongation factor 2 (eEF-2).

Storage

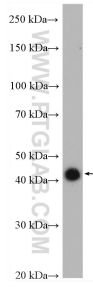
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

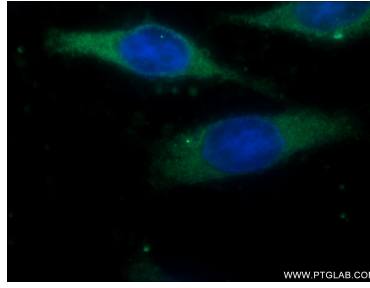
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 20112-1-AP (OVCA1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 20112-1-AP (OVCA1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).