

bs-5714R

[Primary Antibody]

OVCA1 Rabbit pAb



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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Cow, Dog, Horse) Predicted MW.: 49 kDa
Clonality: Polyclonal		
GeneID: 1801	SWISS: Q9BZG8	
Target: OVCA1		
Immunogen: KLH conjugated synthetic peptide derived from human OVCA1: 251-350/443.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: OVCA1 is required for the first step in the synthesis of diphthamide, a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. OVCA1 is one of several enzymes involved in synthesis of diphthamide in EEF2.		

— SELECTED CITATIONS —

- **[IF=1.871]** Lin Y et al. The tumor suppressor OVCA1 is a short half-life protein degraded by the ubiquitin-proteasome pathway. Oncol Lett. 2019 Feb;17(2):2328-2334. WB ;Human. 30675298