

For Research Use Only

CPA4 Recombinant monoclonal antibody

Catalog Number:87695-1-RR



Basic Information

Catalog Number: 87695-1-RR	GenBank Accession Number: BC052289	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 51200	CloneNo.: 253019C11
Isotype: IgG	UNIPROT ID: Q9UI42	Recommended Dilutions: WB: 1:1000-1:4000
Immunogen Catalog Number: AG25327	Full Name: carboxypeptidase A4	
	Calculated MW: 421 aa, 47 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, A549 cells, K-562 cells
Species Specificity: human	

Background Information

Carboxypeptidase A4 (CPA4), a member of the metallo-carboxypeptidase family, is a zinc-containing exopeptidase that catalyzes the release of carboxy-terminal amino acids. CPA4 was previously shown to play a crucial role in cell growth and differentiation by modulating or inactivating peptide hormone activity (PMID: 27904708). CPA4 expression is increased in multiple cancer tissues, including tissues from patients with pancreatic cancer, gastric cancer, esophageal squamous cell carcinoma, and lung cancer, and may serve as a potential diagnostic and prognostic marker (PMID: 31397502, 32922037).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

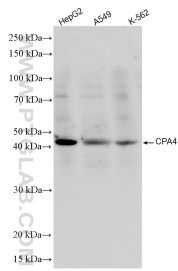
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87695-1-RR (CPA4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.