For Research Use Only

pan-RAS Recombinant antibody

Catalog Number:81615-1-RR

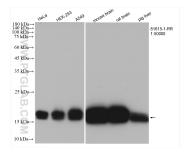


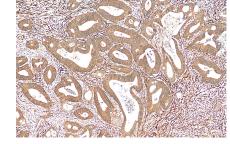
Basic Information	Catalog Number: 81615-1-RR	GenBank Accession Number: BC013572	Purification Method: Protein A purification			
	Size: 1000 µg/ml Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG2700	GeneID (NCBI): 3845 UNIPROT ID: P01116 Full Name: v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	CloneNo.: 2122 Recommended Dilutions: WB 1:20000-1:100000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000			
				Calculated MW: 188 aa, 21 kDa		
				Observed MW: 21 kDa		
		Applications		Tested Applications: WB, IF/ICC, IHC, ELISA Species Specificity:	WB : HeLa	Positive Controls: WB : HeLa cells, HEK-293 cells, A549 cells, mouse brain tissue, rat brain tissue, pig liver tissue
			Human, mouse, rat, pig Note-IHC: suggested antige TE buffer pH 9.0; (*) Alterno retrieval may be performed buffer pH 6.0	n retrieval with ntively, antigen	an colon cancer tissue, eLa cells,	
Background Information	The 21 kDa guanine-nucleotide binding proteins (K-Ras, H-Ras, and N-Ras) belong to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. K-Ras, H-Ras, and N-Ras have similar structure and sequences. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. The ras genes are ubiquitously expressed although mRNA analysis suggests different level expression in tissue. Mutations in each ras gene frequently were found in different tumors, suggesting their involvement in the development of specific neoplasia. This antibody can recognize K-Ras, H-Ras, and N-Ras.					
Storage	Storage: Store at -20°C. Stable for one year Storage Buffer: PBS with 0.02% sodium azide and Aliquoting is unnecessary for -20°	50% glycerol pH 7.3.				

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

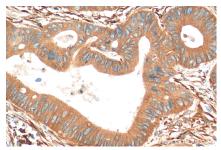
Selected Validation Data





Various lysates were subjected to SDS PAGE followed by western blot with 81615-1-RR (pan-RAS antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.

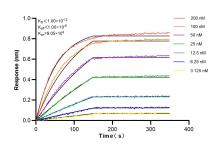
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 81615-1-RR (pan-RAS antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 81615-1-RR (pan-RAS antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using pan-RAS antibody (81615-1-RR, Clone: 2122) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 81615-1-RR against Human pan-RAS were performed. The affinity constant is below 1 pM.