

For Research Use Only

RACK1 Polyclonal antibody

Catalog Number: 10076-1-AP **2 Publications**



Basic Information

Catalog Number: 10076-1-AP	GenBank Accession Number: BC019093	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10399	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P63244	
Isotype: IgG	Full Name: guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	
Immunogen Catalog Number: AG0120	Calculated MW: 36 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human lung cancer tissue,
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions, including cell growth and differentiation, gene expression, hormone secretion and membrane function. RACK1 (receptor for activated protein kinase C 1), encoded by GNB2L1 gene, is a 317 amino acid guanine nucleotide-binding protein subunit beta-2-like 1 protein which is involved in the recruitment, assembly and/or regulation of a variety of signaling molecules, it contains 7 WD-repeats and is implicated in various protein interaction activities. RACK1 is a component of the 40S ribosomal subunit involved in translational repression. Recent finding suggests that RACK1 may be a new promising diagnosis biomarker and therapeutic target for non-small-cell lung cancer (NSCLC).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaochun Wang	32605753	Vet Microbiol	IF
Shaoping Huang	30098580	Environ Toxicol Pharmacol	WB

Storage

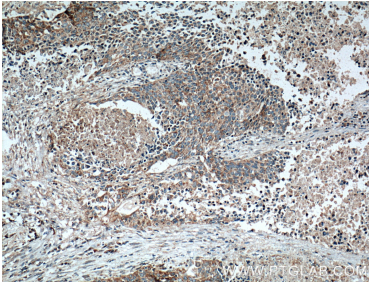
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

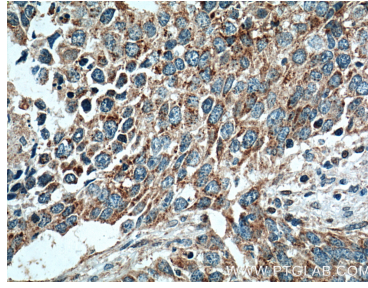
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10076-1-AP (RACK1 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 human lung cancer tissue slide using 10076-1-AP (RACK1 antibody at dilution of 1:200) (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).