

LRRC8A/SWELL1 Polyclonal antibody

Catalog Number: 17155-1-AP

1 Publications

Basic Information

Catalog Number: 17155-1-AP	GenBank Accession Number: BC051322	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56262	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: leucine rich repeat containing 8 family, member A	
Isotype: IgG	Calculated MW: 810 aa, 94 kDa	
Immunogen Catalog Number: AG10062	Observed MW: 94 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC	WB: rat lung tissue,
Species Specificity: human, rat	IHC: human colon cancer tissue,
Cited Species: human	

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

LRRC8A, also named as SWELL1, KIAA1437 and LRRC8, belongs to the LRRC8 family. LRRC8A is a ubiquitous and integral component of the VRAC and has been reported to be required for regulation of cell volume. It indicates that LRRC8A plays a role in regulating the flow of ions, especially anions, into and out of cells (PMID: 32079488). Additionally, there have been several reports that LRRC8A is critical for differentiation of adipocytes and lymphocytes (PMID: 31323188). The molecular weight of LRRC8A is 94 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanjie Chen	36632452	Int J Biol Sci	IHC

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.

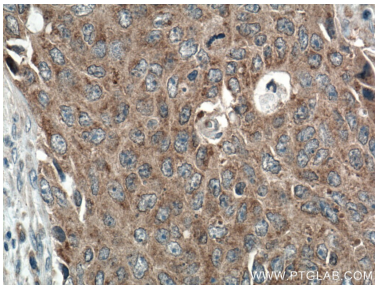
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

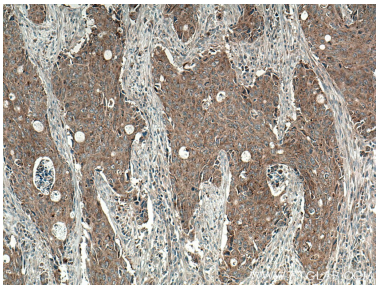
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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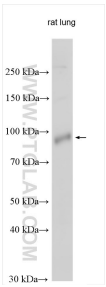
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17155-1-AP (LRRC8A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 17155-1-AP (LRRC8A antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



rat lung tissue were subjected to SDS PAGE followed by western blot with 17155-1-AP (LRRC8A/SWELL1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.