

For Research Use Only

# CDR2 Polyclonal antibody

Catalog Number: 11611-2-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11611-2-AP	<b>GenBank Accession Number:</b> BC017503	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1039	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01850	
<b>Isotype:</b> IgG	<b>Full Name:</b> cerebellar degeneration-related protein 2, 62kDa	
<b>Immunogen Catalog Number:</b> AG2183	<b>Calculated MW:</b> 454 aa, 52 kDa	
	<b>Observed MW:</b> 62 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : human brain tissue, Y79 cells IHC : human breast cancer tissue,
<b>Cited Applications:</b> WB, IP	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> 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

Patients with paraneoplastic cerebellar degeneration (PCD) carry a characteristic antibody called anti-Yo. On Western blot analysis of Purkinje cells and tumor tissue from CD patient, the anti-Yo sera react with at least 2 antigens, a major species of 62 kD called CDR62 or CDR2 [PMID:18045792]. CDR2 is partly characterized, as CDR2 through its leucine zipper motif has been demonstrated to interact with c-myc, with cell cycle-related proteins and with a protein kinase, indicating that CDR2 is involved in signal transduction and gene transcription. Furthermore, CDR2 has been found to attenuate hypoxic response in renal cell carcinoma, and recent data suggest a role for CDR2 and c-myc in mitosis in cycling cells [PMID:21080165].

## Notable Publications

Author	Pubmed ID	Journal	Application
Manja Schubert	25341622	Acta Neuropathol	IP, WB

## Storage

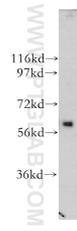
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

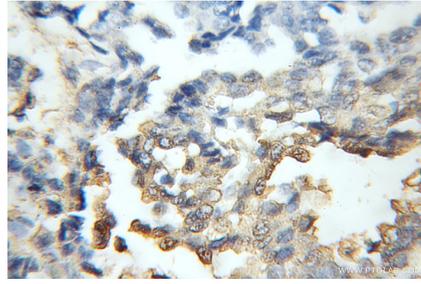
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 11611-2-AP (CDR2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11611-2-AP (CDR2 antibody) at dilution of 1:50 (under 10x lens).