

For Research Use Only

ANK3 Polyclonal antibody

Catalog Number: 27980-1-AP **1 Publications**



Basic Information

Catalog Number: 27980-1-AP	GenBank Accession Number: NM_001149	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 288	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q12955	
Isotype: IgG	Full Name: ankyrin 3, node of Ranvier (ankyrin G)	
Immunogen Catalog Number: AG27635	Calculated MW: 480 kDa	
	Observed MW: 160 kDa, 204 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : human breast cancer tissue, mouse brain tissue IF/ICC : PC-3 cells,
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
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

ANK3 is associated with neurodevelopment and neuronal function. It has been reported that ANK3 plays a key role in bipolar disorder. ANK3 is expressed in brain at a high level. There are several isoforms of ANK3 associated with different tissue expression and function. The immune region we selected can recognize 480 kDa, 204 kDa, 202 kDa and 111 kDa protein and 27980-1-AP detects 204 kDa isoform in SDS-PAGE. (PMID: 27217151, 28687526, 30297702, 28109561, 30046097)

Notable Publications

Author	Pubmed ID	Journal	Application
Chuanqing Jing	38035073	Front Immunol	WB

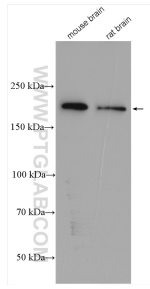
Storage

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

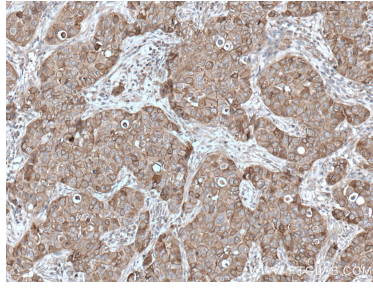
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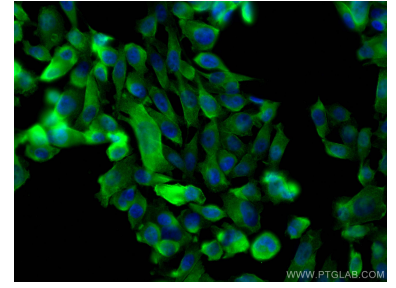
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27980-1-AP (ANK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27980-1-AP (ANK3 antibody) at dilution of 1:200 (under 10x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using ANK3 antibody (27980-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).