

For Research Use Only

# CoraLite® Plus 488-conjugated ANK3 Polyclonal antibody



Catalog Number: CL488-27980

## Basic Information

<b>Catalog Number:</b> CL488-27980	<b>GenBank Accession Number:</b> NM_001149	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 288	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ankyrin 3, node of Ranvier (ankyrin G)	<b>Excitation/Emission maximum wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 480 kDa	
<b>Immunogen Catalog Number:</b> AG27635	<b>Observed MW:</b> 160 kDa, 204 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : PC-3 cells,
<b>Species Specificity:</b> Human, Mouse, Rat	

## 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)

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

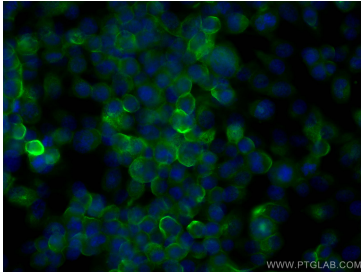
For technical support and original validation data for this product please contact:

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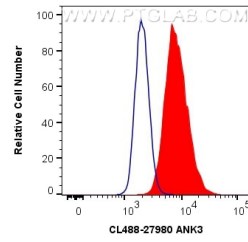
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using CoraLite® Plus 488 ANK3 antibody (CL488-27980) at dilution of 1:200.



1X10<sup>6</sup> PC-3 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ANK3 (CL488-27980) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).