

CoraLite® Plus 488-conjugated ANK3 Polyclonal antibody

Catalog Number: **CL488-27980**

Basic Information

Catalog Number:

CL488-27980

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27635

GenBank Accession Number:

NM_001149

GeneID (NCBI):

288

UNIPROT ID:

Q12955

Full Name:

ankyrin 3, node of Ranvier (ankyrin G)

Calculated MW:

480 kDa

Observed MW:

160 kDa, 204 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : PC-3 cells,

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:

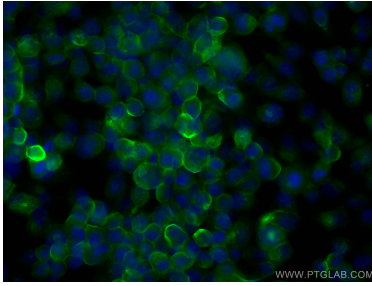
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

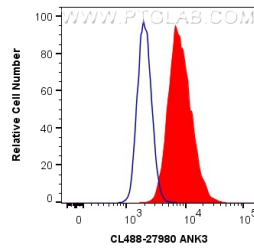
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.



1X10⁶ 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).