

EPC2 / Epilepsy, Autoimmune/  
Paraneoplastic Evaluation, Spinal Fluid  
The following tests are always performed

Radioimmunoprecipitation Assay (RIA)

- Glutamic acid decarboxylase (GAD65) antibody assay

Immunofluorescence Assay (IFA)

- Antineuronal nuclear antibody-type 1 (ANNA-1)
- Antineuronal nuclear antibody-type 2 (ANNA-2)
- Antineuronal nuclear antibody-type 3 (ANNA-3)
- Phosphodiesterase 10A IgG (PDE10A)
- Purkinje cell cytoplasmic antibody, type 2 (PCA-2)
- Purkinje cell cytoplasmic antibody, type Tr (PCA-Tr)
- Amphiphysin antibody assay
- Collapsin response-mediator protein-5 neuronal (CRMP-5-IgG)
- Anti-glia/neuronal nuclear antibody-type 1 (AGNA-1)
- Metabotropic glutamate receptor 1 (mGluR1) antibody
- Glial fibrillary acidic protein (GFAP) alpha subunit antibody
- Neurochondrin antibody
- Tripartite motif-containing protein 46 IgG (TRIM46)

Immunofluorescence Assay (Cell Binding: CBA)

- N-methyl-D-aspartate-receptor (NMDA-R) antibody
- Alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor (AMPA-R) antibody
- Gamma-aminobutyric acid B receptor (GABA-B-R) antibody
- Contactin-associated protein-like-2 (CASPR2)-IgG
- Leucine-rich glioma inactivated protein-1 IgG
- Dipeptidyl-peptidase-like protein-6 (DPPX) antibody

If NMDA-R CBA is Positive

NMDA-R antibody by immunofluorescence (IF) titer assay

If AMPA-R CBA is Positive

AMPA-R antibody by IF titer assay

If GABA-B-R CBA is Positive

GABA-B-R antibody by IF titer assay

If DPPX CBA is Positive

DPPX antibody by IF titer assay

If IFA pattern suggests ANNA-1

- ANNA-1 antibody by immunoblot
- ANNA-2 antibody by immunoblot
- ANNA-1 antibody by IF titer assay

If IFA pattern suggests ANNA-2

- ANNA-1 antibody by immunoblot
- ANNA-2 antibody by immunoblot
- ANNA-2 antibody by IF titer assay

If IFA pattern suggests ANNA-3

- ANNA-3 antibody by IF titer assay

If IFA pattern suggests PDE10A antibody

- PDE10A antibody IF titer assay

If IFA pattern suggests PCA-2 antibody

- PCA-2 antibody IF titer assay

If IFA pattern suggests PCA-Tr

- PCA-Tr antibody by immunoblot
- PCA-Tr antibody by IF titer assay

If IFA pattern suggests CRMP-5 IgG

- CRMP-5-IgG western Blot
- CRMP-5-IgG antibody by IF titer assay

If IFA pattern suggests AGNA-1

- AGNA-1 antibody by immunoblot
- AGNA-1 antibody by IF titer assay

If IFA pattern suggests amphiphysin antibody

- Amphiphysin antibody immunoblot
- Amphiphysin antibody by IF titer assay

If IFA pattern suggests GFAP antibody

- GFAP alpha subunit antibody by CBA
- GFAP alpha subunit antibody by IF titer assay

If IFA pattern suggests mGluR1 antibody

- mGluR1 antibody by CBA
- mGluR1 antibody by IF titer assay

If IFA pattern suggests Neurochondrin antibody

- Neurochondrin antibody CBA
- Neurochondrin antibody IF titer assay

If IFA pattern suggests TRIM46 antibody

- TRIM46 antibody by CBA
- TRIM46 antibody by IF titer assay