

# Neuronal Antibodies

## Synonyms

Brain antibodies, paraneoplastic antibodies

## Clinical Indication

Investigation of paraneoplastic neurological syndromes.

Neurological symptoms: Stiff person's syndrome; encephalomyelitis; subacute sensory neuropathy; sensorimotor peripheral neuropathy; myoclonus and opsoclonus; limbic encephalitis, cerebellar degeneration.

It is essential to provide relevant clinical information.

Specialist request only

## Part of Profile / See Also

## Request Form

Combined Pathology manual Blood form or ICE request

## Availability / Frequency of Analysis

Referred test: Analysed by Protein Reference Unit, Sheffield 8494

## Turnaround Time

1 month

## Patient Preparation

None required

## Sample Requirements

\*Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests\*

## Specimen Type

Serum or plasma (EDTA, heparin or citrate)

## Volume

2 ml

## Container



Yellow top (SST) tube or



Paediatric Yellow top (SST) tube or

## Reference Range & Units

A normal result is negative

## Interferences

None known

## Interpretation & Clinical

## Decision Value (if applicable)

Antibodies and current associations:

Yo - subacute or paraneoplastic cerebellar degeneration as a complication of gynaecological cancer or Hodgkin's disease.

Hu – sensory neuropathy and limbic encephalitis in patients with small cell lung carcinoma.

Ri - Opsoclonus myoclonus associated with breast cancer.

Amphiphysin - paraneoplastic encephalomyelitis and stiff person syndrome associated with small cell lung carcinoma or breast cancer.

CV2.1 - paraneoplastic cerebellar degeneration, paraneoplastic encephalomyelitis, peripheral neuropathy, associated with small cell lung carcinoma, thymoma or sarcoma.

Ma2/Ta - brain-stem/limbic encephalitis associated with testicular germ cell cancer or breast cancer.

## References

<https://sheffieldlaboratorymedicine.nhs.uk/search-test.php?search=3045>

## Test code

ANN1

## Lab Handling

Aliquot and store at 4°C prior to testing and at -20°C or below for up to one month after receipt.



8494  
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