


240067106859053

Mr. KIRAN BHAGWAN TAWARE

PID NO: P10424533891970

Age: 56 Year(s)    Sex: Male



Reference: DR.PRASHANT ATHALE

Sample Collected At:  
Mahatma Gandhi Mission New Bombay Hsp  
Mahatma Gandhi Mission New Bombay Hsp Plot # 35 Sector-3 Vashi Navi  
Mumbai Mumbai 27-mh 400703 In  
Processing Location:- Metropolis Healthcare Ltd,Unit No409-416,4th Floor,Commercial Building-1,Kohinoor Mall,Mumbai-70

VID: 240067106859053

Registered On:  
13/10/2024 05:23 PM

Collected On:  
13/10/2024 5:18PM

Reported On:  
16/10/2024 05:50 PM

**Investigation**

CASPR2 antibody (VGKC type)  
(Immunofluorescence)

**Observed Value**

NEGATIVE

**Biological Reference Interval**

Negative

**Method:** Indirect Immunofluorescence. CCT Sample tested neat without dilution. This test detects the antibodies (IgG) in Transfected HEK cells.

Antigen	Disease Associations	
	AUTOIMMUNE NEUROLOGICAL SYNDROME	TUMORS WITH PARANEOPLASTIC SYNDROMES (PNS)
NMDA (anti-glutamate receptor against NR1 subunit)	NMDA encephalitis	Ovarian teratoma, Testicular teratoma (approx. 60% as PNS)
IPPA (anti-glutamate receptor) - GluR1	Limbic encephalitis	Bronchial carcinoma, Breast carcinoma, Thymoma (approx. 70% as PNS)
AMPA (anti-glutamaterceptor) - GluR2	Limbic encephalitis	Bronchial carcinoma, Breast carcinoma, Thymoma (approx. 70% as PNS)
GABA-B receptor antibody	Limbic encephalitis	Small cell Lung Carcinoma (SCLC) (approx. 50% as PNS)
LGI-1 antibody (VGKC type)	Limbic encephalitis	Thyroid carcinoma, SCLC, Renal carcinoma, Ovarian teratoma, Thymoma (approx. 10% as PNS)
CASPR2 antibody (VGKC type)	Neuromyotonia, Morvan's syndrome, Limbic encephalitis	Thymoma (approx. 30% as PNS)

**Remarks:** Autoantibodies against neuronal surface antigens are found in patients with autoimmune encephalopathies. since these antigens play a direct or indirect role in synaptic signal transduction and plasticity, the associated autoimmunities manifest with seizures and neuropsychiatric symptoms. The resulting syndromes can have non-paraneoplastic or paraneoplastic aetiology.

**Abbreviation:** AMPA: Alpha-amino-3-hydroxy-5-methyl-4-isoxazol-propionic acid, CASPR2: Contactin-associated protein 2, GABA: Gamma-amino-butyric acid, LGI1: Leucine-rich glioma-inactivated protein1, NMDA: N-methyl-D-aspartate, PNS: paraneoplastic neurological syndrome, SCLC: Small-cell lung cancer, HEK: Human Embryonic Kidney.

-- End of Report --