

## Anti-glomerular Basement Membrane Antibodies

Anti-glomerular basement membrane antibodies are IgG and IgM antibodies directed against protein in the basement membranes of kidney glomeruli and lung alveoli. This results in the clinical condition Goodpasture's disease which is characterized by glomerulonephritis resulting in hematuria and lung damage resulting in hemoptysis.



PLAY PICMONIC

### Glomerulonephritis

[Glow-mare](#)

The formation of anti-glomerular basement membrane antibodies results in glomerulonephritis due to damage to the kidney glomerular basement membrane.

### Goodpasture's Disease

[Gold-pastor](#)

This is the name of the disease entity resulting from the formation of anti-glomerular basement membrane antibodies. It is characterized by lung and kidney damage.

### Linear immunofluorescence

[Linear In-moon-fluorescence](#)

A kidney biopsy demonstrating linear deposits of IgG along the basement membrane of the glomeruli indicate anti-glomerular basement membrane disease. For a diagnosis of Goodpasture's disease to be made, lung involvement must be present.

### Hemoptysis

[Red-mop coughing blood](#)

Damage to the basement membranes of lung alveoli results in the patient coughing up blood.

### Hematuria

[Red-urinal](#)

Damage to the basement membranes of kidney glomeruli results in the patient peeing blood.