same protein

PLA2R

introduction

idiopathic membranous nephropathy

target antigen?

autoimmune disease

rat model (Heymann's nephritis)

mother sensitized during previous pregnancies

deficiency of neutral endopeptidase

type 2 helper T-cell response (IgG4)

methods

serum and kidney-tissue samples

other glomerular or autoimmune disorder

healthy volunteers

western blotting

guinea pig anti-PLA2R

mass spectrometry analysis and data interpretation

immunoprecipitation

immunohistologic analysis

statistical analysis

results

37 patients IMN

26 185 kDa protein band

70%

22 other diseases

30 normal control

other diseases

8 patients secondary MN

pas de band

plaque

same protein

PLA2R

identification of target protein in glomerular extracts

immunoprecipitation

immunohistologic analysis

sur les biopsies

statistical analysis

IMN

other glomerular or autoimmune disorder

healthy volunteers

IMN

patient with IMN