



glycoprotein constituent of normal human glomeruli

in podocyte

presence = disease activity

cause and not consequence

mannose receptor family

PLA2R

discussion

introduction

idiopathic membranous nephropathy

autoimmune disease

rat model (Heymann's nephritis)

antimegalin

mother sensitized during previous pregnancies

deficiency of neutral endopeptidase

patient with IMN

target antigen?

type 2 helper T-cell response (IgG4)

methods

serum and kidney-tissue samples

IMN

other glomerular or autoimmune disorder

healthy volunteers

western blotting

guinea pig anti-PLA2R

mass spectrometry analysis and data interpretation

immunoprecipitation

immunohistologic analysis

sur les biopsies

statistical analysis

results

identification of target protein in glomerular extracts

same protein

WB

37 patients IMN

26 185 kD protein band

70%



22 other diseases

pas de band



30 normal control

pas de band



8 patients secondary MN

pas de band



anti-PLA2R AB in patients with MN

IgG4

PLA2R AB

hypothèse

surface of podocytes

glomerular location of PLA2R

immunofluorescence microscopy with monospecific anti-PLA2R AB

decline or disappearance of anti-PLA2R AB

association with disease

patient with remission