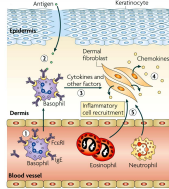


Emerging roles for basophils in health and disease

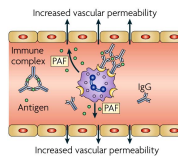
Karasuyama et al.: *Nature Rev. Immunol.* 2009; *Annu. Rev. Immunol.* 2011; *Trends Immunol.* 2011; *Curr. Opin. Immunol.* 2014

Allergic reactions

IgE-mediated chronic allergic inflammation



IgG-mediated systemic anaphylaxis



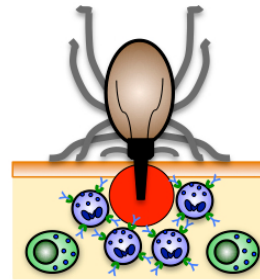
Eosinophilic esophagitis

Atopic dermatitis

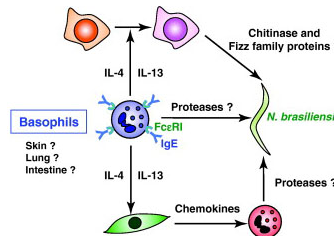
Asthma

Protective immunity

Protection against Ectoparasites

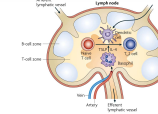


Protection against Endoparasites

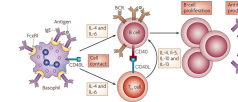


Regulation of acquired & innate immunity

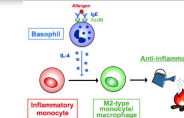
Promotion of Th2 cell differentiation



Enhancement of humoral memory response



Regulation of Mono/Mac differentiation



Activation of ILC2

