

Platelets, also called thrombocytes, are involved in hemostasis, leading to the formation of blood clots. Platelets aggregate using fibrinogen and von Willebrand factor, and are stimulated by ADP, thromboxane and alpha-2 receptor activation.

### **Decrease Aqueous Humor Production**

Down-arrow Water from Eye-fountain

Stimulation of the alpha-2 adrenergic receptor inhibits the production of aqueous humor by the ciliary body in the eye. This is the reason that alpha-2 agonists such as brimonidine are used in the treatment of glaucoma where intraocular pressure is high due to excess aqueous humor production or reduced aqueous humor drainage.