





	細胞內訊息傳遞的放 (a) Signaling pathway	(b) Number of
	(a) Signaling partitory	molecules activated
</th <th>RECEPTION</th> <th></th>	RECEPTION	
	Binding of epinephrine to G-protein-linked receptor	1 molecule
	TRANSDUCTION	
	Inactive G protein Active G protein	10 <sup>2</sup> molecules
	$\dot{\bigcirc}$	
	Inactive adenylyl cyclase Active adenylyl cyclase	10 <sup>2</sup> molecules
	$\cap$	
	ATP V Cyclic AMP	10 <sup>4</sup> molecules
	$\bigcirc$	
~	Inactive protein kinase A Active protein kinase A	10 <sup>4</sup> molecules
~	Inactive phosphorylase kinase	
	Active phosphorylase kinase	10 <sup>5</sup> molecules
-	Inactive glycogen phosphorylase	
	Active glycogen phosphorylase	10 <sup>6</sup> molecules
	RESPONSE	
	Glucose-1-phosphate	10 <sup>8</sup> molecules













































































































































