

1. Record Nr.	UNINA9911019305503321
Titolo	P2 purinoceptors : localization, function and transduction mechanisms
Pubbl/distr/stampa	Chichester, : Wiley, 1996
ISBN	9786612347962 9781282347960 1282347969 9780470514900 0470514906 9780470514917 0470514914
Descrizione fisica	1 online resource (350 p.)
Collana	Ciba Foundation symposium ; ; 198
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Disciplina	599 599.0188 612.0157
Soggetti	Purines - Receptors Adenosine triphosphate - Receptors Neurotransmitter receptors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Editors: Derek J. Chadwick (organizer) and Jamie A. Goode. Symposium held at Ciba Foundation, London, 11-13 July 1995.
Nota di contenuto	P2 PURINOCEPTORS: LOCALIZATION, FUNCTION AND TRANSDUCTION MECHANISMS; Contents; Participants; P2 purinoceptors: historical perspective and classification; The diadenosine polyphosphate receptors: P2D purinoceptors; P2T purinoceptors: ADP receptors on platelets; P2Z purinoceptors; P2X receptors: a third major class of ligand-gated ion channels; P2 purinoceptors and pyrimidinoceptors of catecholamine-producing cells and immunocytes; Trophic actions of extracellular ATP on astrocytes, synergistic interactions with fibroblast growth factors and underlying signal transduction mechanisms Trophic roles of P2 purinoceptors in central nervous system astroglial cells Transduction mechanisms of P2Z purinoceptors; The diverse series

of recombinant P2Y purinoceptors; General discussion I; P2U purinoceptors: cDNA cloning, signal transduction mechanisms and structure-function analysis; Functional properties of native and cloned P2X receptors; ATP as a co-transmitter with noradrenaline in sympathetic nerves-function and fate; ATP release and its prejunctional modulation; General discussion II

Involvement of distinct receptors in the actions of extracellular uridine nucleotidesFeatures of P2X receptor-mediated synapses in the rat brain: why doesn't ATP kill the postsynaptic cell?; P2 purinoceptors in the immune system; General discussion III; Challenges in developing P2 purinoceptor-based therapeutics; Summing-up; Index of contributors; Subject index

Sommario/riassunto

Many different pathological conditions are currently under investigation as therapeutic targets of purines including cancer, cardiovascular conditions, behavioural disorders, inflammation, immunoregulation, and neuroendocrine function. This book draws together research on all aspects of P2 purinoceptors and discusses their use in different therapeutic areas.
