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# The Paraoxonases Their Role In Disease Development And Xenobiotic Metabolism

**the paraoxonases: their role in disease development and ...** - the paraoxonases: their role in disease development and xenobiotic metabolism edited by bharti mackness university of manchester, u.k. mike mackness university of manchester, u.k. michael aviram technion faculty of medicine, haifa, israel and györgy paragh university of debrecen, hungary **pharmacogenetics of paraoxonases: a brief review** - of their discovery. human pon2 and pon3 lack, or have very limited, paraoxonase and arylesterase activities, but are similar to pon1 in that both hydrolyze aromatic and d. i. draganov · b. n. la du pharmacogenetics of paraoxonases: a brief review naunyn-schmiedeberg's arch pharmacol (2004) 369:78–88 doi 10.1007/s00210-003-0833-1 **human paraoxonases (pon1, pon2, and pon3) are lactonases ...** - human paraoxonases (pon1, pon2, and pon3) are lactonases with overlapping and distinct substrate specificities dragomir i. draganov, 1 john f. teiber, audrey speelman, yoichi osawa, roger sunahara, and bert n. la du 2 department of pharmacology, university of michigan medical school, ann arbor, mi 48109 abstract the paraoxonase (pon) gene ... **evaluation of the paraoxonases as candidate genes for stroke** - particles.6 because of their antioxidant activity, and the longstanding hypothesis that oxidized ldl is a key mediator of atherosclerosis, the paraoxonases have been considered candidate susceptibility genes for coronary artery disease (cad) and stroke. there have been numerous, inconsistent reports of associations between single nucleotide ... **research communication - iubmbinlibrary.wiley** - divulge details of their sources of human tissue. the 24 tissues are listed in fig. 1. individual first strand cdnas were tested by the manufacturer to assure the presence of low abundance and long transcripts and were normalized using b-actin as internal standard. pcr determination of pon1 and pon2 was car- **paraoxonases : structure, gene polymorphism & role in ...** - structure, gene polymorphism, and factors affecting the activity of pons, and their role in prevention of cad. key words atherosclerosis - coronary artery disease - paraoxonases - polymorphism **review open access modulation of paraoxonases during ...** - review open access modulation of paraoxonases during infectious diseases and its potential impact on atherosclerosis ayman samir farid1,2 and yoichiro horii2\* abstract the paraoxonase (pon) gene family includes three members, pon1, pon2 and pon3, aligned in tandem on **3d-structure and evolution of serum paraoxonases - a ...** - 3d-structure and evolution of serum paraoxonases - a family of detoxifying and anti-atherosclerotic enzymes harel et al. supplementary note a detailed analysis of the amino acid variations between repon1 variant g2e6 **divergence and convergence in enzyme evolution: the ...** - their key active-site architectures have converged and are strikingly similar. curiously, a promiscuous organophosphate hydrolase activity is observed in all three families. we describe the structural and mechanistic features that underline ... paraoxonases (s-and ). ), the , , 3. **paraoxonases in inflammation, infection, and toxicology** - volume 660 paraoxonases in inflammation, infection, and toxicology edited by srinu reddy ... sumiji takahashi, and tan doung for their invaluable administrative and technical support. greatly appreciate the members of dr. srinu reddy's and dr. farias-eisner's groups especially victor grijalva, noam bourquard, asokan devarajan, ajay ...

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