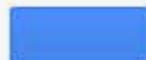


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Name of Journal: World Journal of Gastroenterology

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Localization and role of metabotropic glutamate receptors subtype 5 in the gastrointestinal tract

Andrea Ferrigno, Clarissa Berardo, Laura G Di Pasqua, Veronica Siciliano, Plinio Richelmi, Mariapia Vairetti

Abstract

Metabotropic glutamate receptor subtype 5 (mGluR5) is a Group I mGlu subfamily of receptors coupled to the inositol trisphosphate/diacylglycerol pathway. Like other mGluR subtypes, mGluR5s contain a phylogenetically conserved, extracellular orthosteric binding site and a more variable allosteric binding site, located on the heptahelical transmembrane domain. The mGluR5 receptor has proved to be a key pharmacological target in conditions affecting the central nervous system (CNS) but its presence outside the CNS underlines

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