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Galectins are a family of proteins defined by their binding specificity for β - galactoside sugars, Galectin-1 binds many proteins on the T cell surface, but specifically CD7, ... It has also been identified bound to glycans on the surface of breast cancer ... Galectin-2, Gastrointestinal tract, Binds selectively to β - galactosides of T ...



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Manuscript Type: EDITORIAL

Contribution of Galectin-1, a glycan-binding protein, to gastrointestinal tumor progression

María L Bacigalupo, Pablo Carabias, María F Troncoso

Abstract

Gastrointestinal cancer is a group of tumors that affect multiple sites of the digestive system, including the stomach, liver, colon and pancreas. These cancers are very aggressive and rapidly metastasize, thus identifying effective targets is crucial for treatment. Galectin-1 (Gal-1) belongs to a family of glycan-binding proteins, or lectins, with the ability to cross-link specific glycoconjugates. A variety of biological activities have been attributed to Gal-1 at different steps of tumor progression. Herein, we summarize the current literature regarding the roles of

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