

The invention provides antibodies and antigen-binding fragments thereof that selectively bind to an epitope within the core region of transglutaminase type 2 (TG2). Novel epitopes within the TG2 core are provided. The invention provides human TG2 inhibitory antibodies and uses thereof, particularly in medicine, for example in the treatment and/or diagnosis of conditions including Celiac disease, scarring, fibrosis-related diseases, neurodegenerative/neurological diseases and cancer.