

12-1218: Anti-MUC6 (Mucin 6 / Gastric Mucin) Recombinant Rabbit Monoclonal Antibody (Clone:MUC6/1553R)

Clonality :	Monoclonal
Clone Name :	MUC6/1553R
Application :	IHC
Reactivity :	Human
Gene :	MUC6
Gene ID :	4588
Uniprot ID :	Q6W4X9
Format :	Purified
Alternative Name :	Gastric mucin 6; MUC6; MUC6 mucin; Mucin 6 oligomeric mucus/gel forming; Mucin glycoprotein Fragment; Mucin-6; Secretory mucin MUC6
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide of the Gastric Mucin 6 tandem repeat sequence

Description

The MUC6 gastric mucin is a secreted glycoprotein that plays an essential role in epithelial cyto-protection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract. Mucin 6 expression is highest in the stomach and gall bladder, with lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2; Mucin 6 is also expressed in gastric metaplasia, duodenum and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (2-4µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

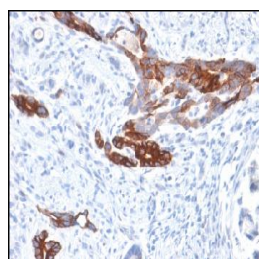


Figure 1: Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC6 Rabbit Recombinant Monoclonal Antibody (MUC6/1553R).

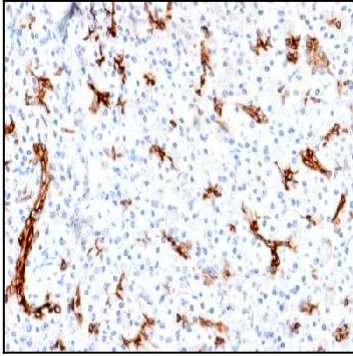


Figure 2: Formalin-fixed, paraffin-embedded human Pancreas stained with MUC6 Rabbit Recombinant Monoclonal Antibody (MUC6/1553R).

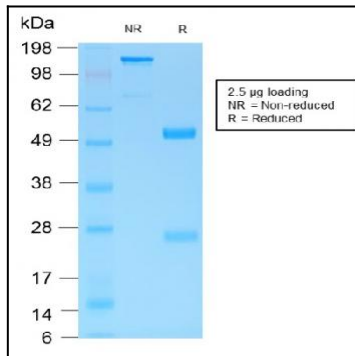


Figure 3: SDS-PAGE Analysis of Purified MUC6 Rabbit Recombinant Monoclonal Antibody (MUC6/1553R).