

Product datasheet for **UM800173CF**

GPA33 Mouse Monoclonal Antibody [Clone ID: UMAB283]

Product data:

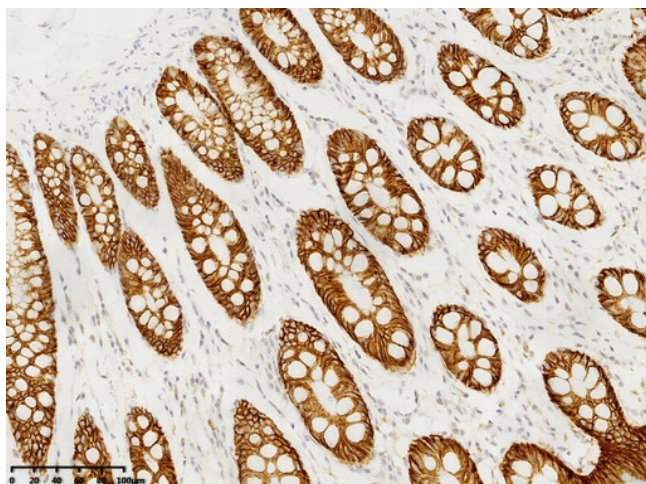
Product Type:	Primary Antibodies
Clone Name:	UMAB283
Applications:	IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:400
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GPA33 (NP_005805) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	35.6 kDa
Gene Name:	glycoprotein A33
Database Link:	NP_005805 Entrez Gene 10223 Human Q99795
Background:	The glycoprotein encoded by this gene is a cell surface antigen that is expressed in greater than 95% of human colon cancers. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 2 domains characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily. [provided by RefSeq, Jul 2008].



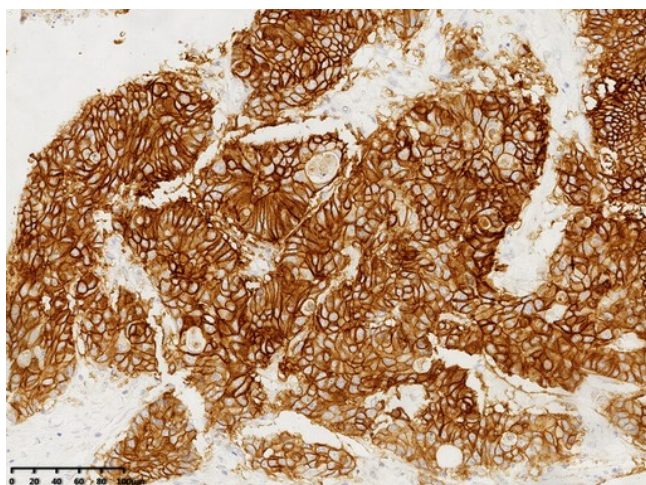
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Synonyms: A33
Protein Families: Druggable Genome, Transmembrane

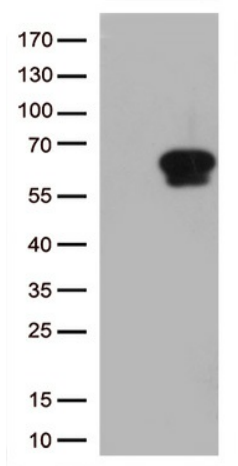
Product images:



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-GPA33 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, [UM800173]) (1:4000)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GPA33 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, [UM800173]) (1:4000)



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GPA33 (Cat# [RC210225], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GPA33 antibody (Cat# [UM800173])(1:1000).