

Rabbit anti-Mouse A33 Polyclonal Antibody | anti-GPA33 antibody

Anti-A33 Antibody, Rabbit Polyclonal

CATALOG # AAA257181	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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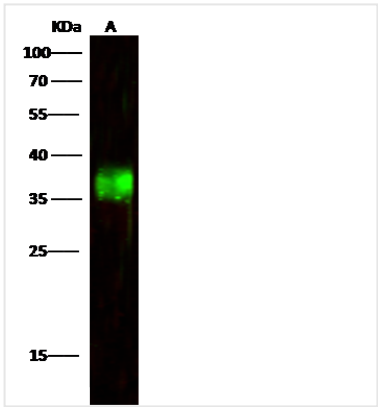
PRODUCT SYNONYMS

A33; Polyclonal Antibody; Anti-A33 Antibody; Rabbit Polyclonal; GPA33 Antibody; Rabbit PAb; Antigen Affinity Purified; glycoprotein A33 (transmembrane); Anti-2010310L10Rik Antibody; Anti-2210401D16Rik Antibody; Anti-BB116197 Antibody; anti-GPA33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse GPA33
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GPA33 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse GPA33 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse GPA33 (rM GPA33). GPA33 specific IgG was purified by Mouse GPA33 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of mouse GPA33 in mouse small intestine with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

WB (Western Blot)
Anti-mGPA33 rabbit polyclonal antibody at 1:500 dilution. Lane A: HT-29 Membrane Lysate. Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 36 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GPA33 antibody	Cell surface A33 antigen, also known as glycoprotein A33, is a single-pass type I membrane protein that is expressed in the normal gastrointestinal epithelium and 95% of colon cancers. GPA33 contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. 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. Intracellular traffic and recycling to the cell surface appear to play a major role in GPA33 function and to have an influence on its surface density superseding translational regulation. GPA33 has become a promising target of immunologic therapy strategies, but its biologic function and potential role in tumorigenesis are unknown. EpCAM protein and GPA33 mRNA expressions are specific and sensitive markers of Barrett's metaplasia (BM). GPA33 may also play a role in cell-cell recognition and signaling.
Product Categories/Family for anti-GPA33 antibody	Cancer Drug Targets
References	Heath J.K., et al., 1997, Proc. Natl. Acad. Sci. USA. 94:469-74. Ritter G., et al., 1997, Biochem. Biophys. Res. Commun. 236:682-6. Frey, D. et al., 2008, Cancer Biother Radiopharm 23 (1):65-73. Rageul, J. et al., 2009, Int J Cancer 125 (12):2802-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11037800
NCBI GeneID	59290
NCBI Accession #	NP_067623.1
NCBI GenBank Nucleotide #	NM_021610.1
UniProt Accession #	Q9JKA5; Q922D5
Molecular Weight	35,692 Da
NCBI Official Full Name	cell surface A33 antigen
NCBI Official Synonym Full Names	glycoprotein A33 (transmembrane)
NCBI Official Symbol	Gpa33
NCBI Official Synonym Symbols	BB116197; 2010310L10Rik; 2210401D16Rik
NCBI Protein Information	cell surface A33 antigen

UniProt Protein Name	Cell surface A33 antigen
UniProt Gene Name	Gpa33
UniProt Synonym Gene Names	mA33

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/a33-antibody-immunohistochemistry-western-blot-elisa/257181>