

Rabbit GIPC2 Polyclonal Antibody | anti-GIPC2 antibody

GIPC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326132	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GIPC2; Polyclonal Antibody; GIPC2 Antibody; GIPC 2; GIPC PDZ domain containing family; member 2; GIPC2_HUMAN; Likely ortholog of mouse semaF cytoplasmic domain associated protein 2; PDZ domain protein GIPC2; PDZ domain-containing protein GIPC2; SemaF cytoplasmic domain associated protein 2; Semaphorin cytoplasmic domain associated protein 2; SEMCAP 2; SEMCAP2; anti-GIPC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GIPC2 antibody detects endogenous levels of total GIPC2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	241
Applicable Applications for anti-GIPC2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GIPC2
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed at highest levels in ascending colon and at moderate levels in adult kidney. Expressed at low levels in adult pancreas and at very low levels in adult liver. Expression is down-regulated in several primary tumors, such as kidney, colon and rectal tumors.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of 293 cell lysate, using GIPC2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326132 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GIPC2 antibody

Description: The eukaryotic PDZ domain is a multifunctional protein-protein interacting motif that is found in a variety of proteins and is involved in both the clustering of signaling molecules and the organization of protein networks. GIPC2 (GIPC PDZ domain containing family, member 2), also known as SEMCAP2, is a 315 amino acid protein that localizes to the cytoplasm and contains one PDZ domain. Expressed at high levels in kidney and colon and at lower levels in adult liver, GIPC2 interacts with SEMA5A and is thought to function as a scaffold protein, possibly modulating cell adhesion and growth factor signaling and playing a role in tumorigenesis. The gene encoding GIPC2 maps to human chromosome 1, which spans 260 million base pairs, contains over 3, 000 genes and comprises nearly 8% of the human genome.
Subunit Structure: Probably interacts with SEMA5A.
Similarity: Belongs to the GIPC family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	752992941
NCBI GeneID	54810
NCBI Accession #	NP_001291654.1
NCBI GenBank Nucleotide #	NM_001304725.1
UniProt Accession #	Q8TF65; Q8IYD3; Q9NXS7
Molecular Weight	Observed: 34 kDa Predicted: 35 kDa
NCBI Official Full Name	PDZ domain-containing protein GIPC2 isoform 2
NCBI Official Synonym Full Names	GIPC PDZ domain containing family member 2
NCBI Official Symbol	GIPC2
NCBI Official Synonym Symbols	SEMCAP2; SEMCAP-2
NCBI Protein Information	PDZ domain-containing protein GIPC2
UniProt Protein Name	PDZ domain-containing protein GIPC2
UniProt Gene Name	GIPC2

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.