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Product datasheet for CF504031

RGS16 Mouse Monoclonal Antibody [Clone ID: OTI4E5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human RGS16(NP_002919) produced in HEK293T cell.
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
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22.6 kDa
Gene Name:	regulator of G protein signaling 16
Database Link:	NP_002919 Entrez Gene 6004 Human O15492

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Background: The protein encoded by this gene belongs to the 'regulator of G protein signaling' family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. [provided by RefSeq]

Synonyms: A28-RGS14; A28-RGS14P; RGS-R

Protein Families: Druggable Genome

Product images:

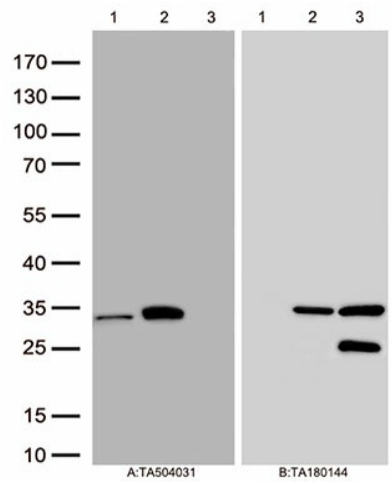
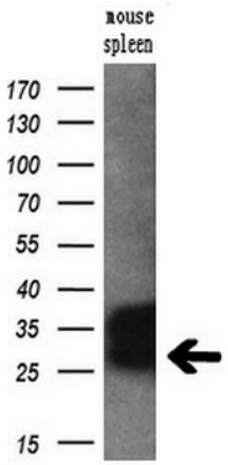
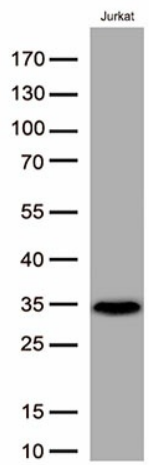


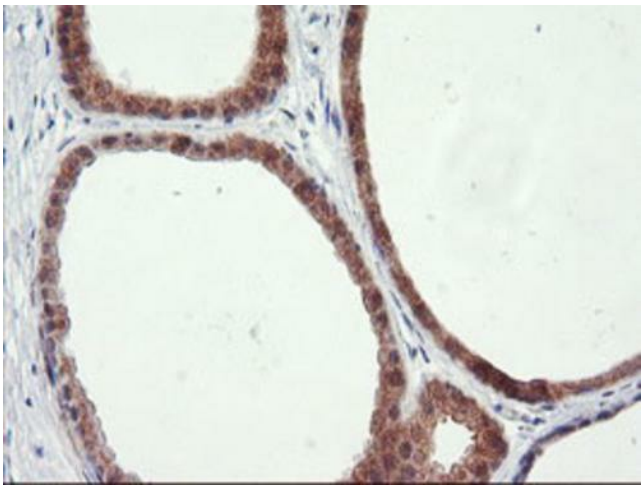
Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human RGS16 plasmid ([RC202430], lane 2), mouse RGS16 plasmid ([MR202050], lane 3) using anti-RGS16 antibody [TA504031] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



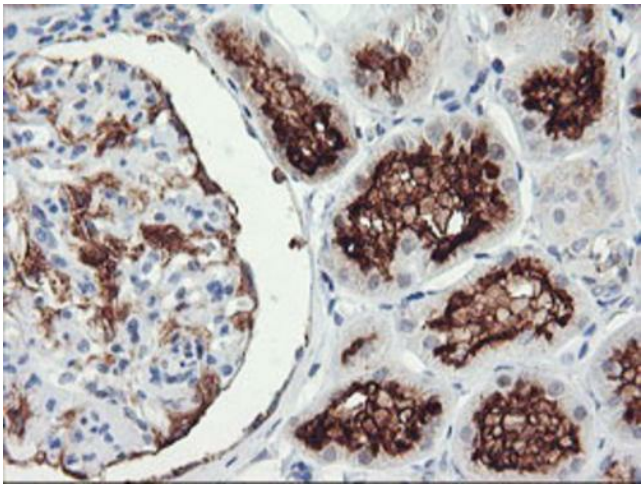
Western blot analysis of extracts (10ug) from a mouse tissue by using anti-RGS16 monoclonal antibody (1:200).



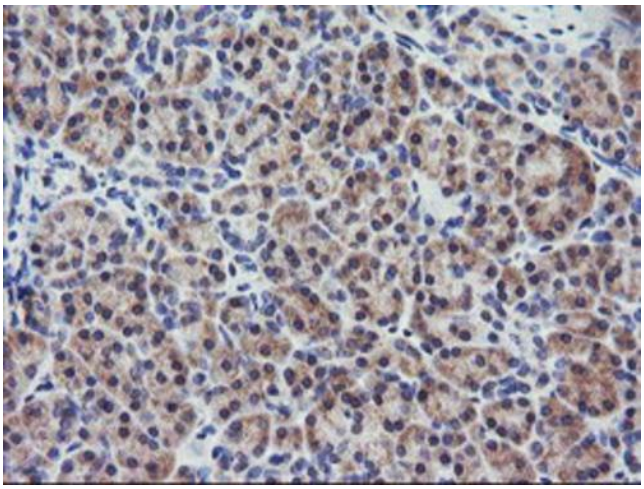
Western blot analysis of extracts (50ug) from Jurkat lysate by using anti-RGS16 monoclonal antibody([TA504031], 1:500)



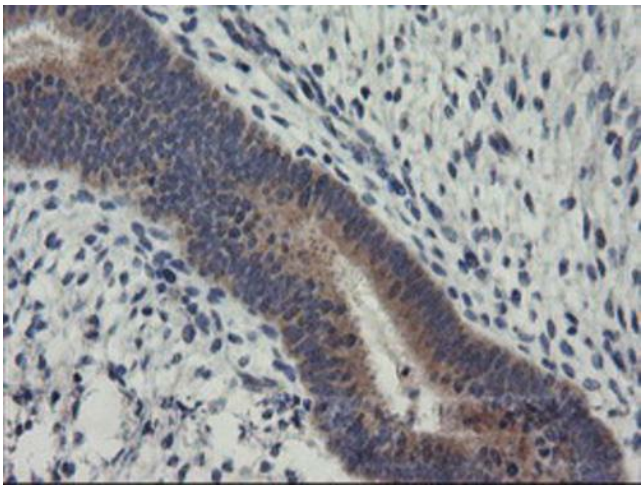
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-RGS16 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



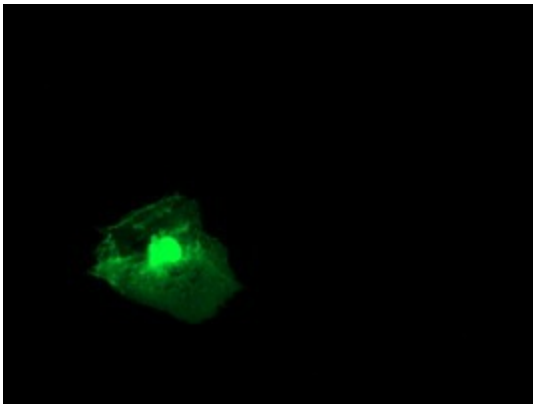
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-RGS16 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



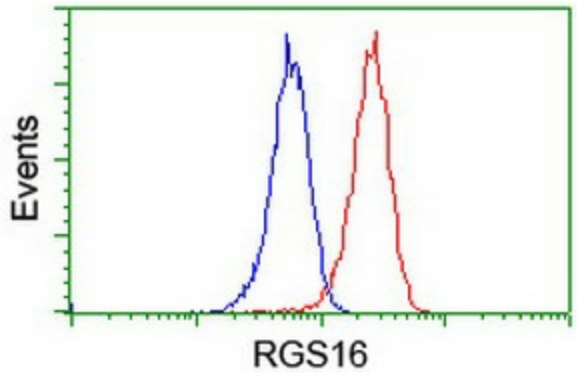
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-RGS16 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-RGS16 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-RGS16 mouse monoclonal antibody ([TA504031]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RGS16 ([RC202430]).



Flow cytometric Analysis of Jurkat cells, using anti-RGS16 antibody ([TA504031]), (Red), compared to a nonspecific negative control antibody, (Blue).