

**GPR40 rabbit pAb****Cat#: orb768492 (Manual)**

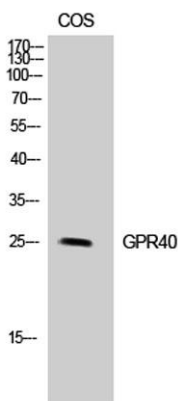
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	GPR40 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Monkey
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FFAR1. AA range:185-234
<b>Specificity</b>	GPR40 Polyclonal Antibody detects endogenous levels of GPR40 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Free fatty acid receptor 1
<b>Gene Name</b>	FFAR1
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

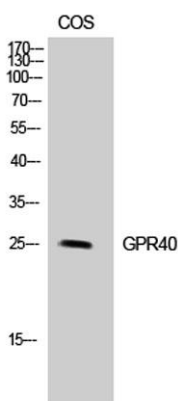
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	26kD
<b>Human Gene ID</b>	2864
<b>Human Swiss-Prot Number</b>	O14842
<b>Alternative Names</b>	FFAR1; GPR40; Free fatty acid receptor 1; G-protein coupled receptor 40

## Background

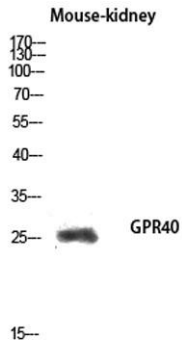
This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for medium and long chain free fatty acids and may be involved in the metabolic regulation of insulin secretion. Polymorphisms in this gene may be associated with type 2 diabetes. [provided by RefSeq, Apr 2009],



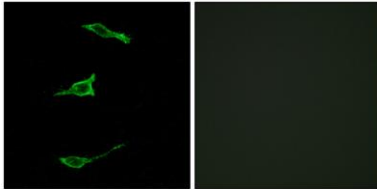
**Western Blot analysis of COS7 cells using GPR40 Polyclonal Antibody diluted at 1:500**



**Western Blot analysis of COS-7 cells using GPR40 Polyclonal Antibody diluted at 1:500**



Western blot analysis of Mouse-kidney lysis using GPR40 antibody. Antibody was diluted at 1:500



Immunofluorescence analysis of LOVO cells, using FFAR1 Antibody. The picture on the right is blocked with the synthesized peptide.