



## Goat anti-GPR40 Antibody

<b>Item Number</b>	dAP-0655
<b>Target Molecule</b>	Principle Name: GPR40; Official Symbol: FFAR1; All Names and Symbols: FFAR1; GPR40; G protein-coupled receptor 40 ; HGNC:4498; free fatty acid receptor 1; FFA1R; GPCR40; Accession Number (s): NP_005294.1; Human Gene ID(s): 2864; Non-Human GeneID(s):
<b>Immunogen</b>	CAARTQGGKSQK, is from C Terminus
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 28kDa band observed in Human Breast lysates (calculated MW of 31.5kDa according to NP_005294.1). Recommended concentration: 0.01-0.03µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Hardy S, St-Onge GG, Joly E, Langelier Y, Prentki M. Oleate promotes the proliferation of breast cancer cells via the G protein-coupled receptor GPR40. J Biol Chem. 2005 Apr 8;280(14):13285-91. Epub 2005 Feb 4. .PMID: 15695516 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**