

Product datasheet for **AP05165PU-N**

OGR1 (GPR68) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FN, IHC, WB
Recommended Dilution:	Western Blot: 5-10 µg/ml. Western blot should be visualized using a high sensitivity secondary/substrate system. Neutralization. Immunohistochemistry. <i>Positive Control:</i> OGR1 transfected cell lysate.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein derived from Human OGR1 (GPR68) protein
Specificity:	This antibody recognizes OGR1.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.08% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	G protein-coupled receptor 68
Database Link:	Entrez Gene 8111 Human Q15743



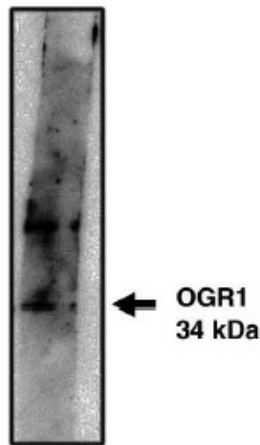
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Background:

OGR1 (originally identified as GPR68) is a high-affinity receptor for sphingosylphosphorylcholine (SPC). SPC is a member of a class of bioactive lipids which regulate cellular functions. These functions include cell proliferation and growth inhibition, smooth muscle contraction and wound healing. SPC also stimulated signalling pathways that induce tyrosine phosphorylation, activate MAP kinases and protein kinase C, modify ion channel activity and increase intracellular Ca²⁺ concentration. OGR1 is expressed in placenta, lung, liver, spleen, testis, small intestine and peripheral blood leukocytes. It is not found in thymus, ovary, colon, skeletal muscle, kidney or pancreas.

Synonyms:

Sphingosylphosphorylcholine receptor, G-protein coupled receptor 68, GPR12A

Product images:

Western blot analysis using OGR1 antibody on cells transfected with OGR1 protein at 10 ug/ml. Blot developed using Pierce's SuperSignal West Femto Maximum Sensitivity Substrate.