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GPR68 Polyclonal Antibody

Catalog Number **PA1-12713**

Product data sheet

Details	
Size	100 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Recombinant protein corresponding to human OGR1 (GPR68) protein.
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A/G
Storage buffer	PBS
Contains	0.08% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles

Species Reactivity	
Species reactivity	Human

Tested Applications	Dilution *
Immunohistochemistry (IHC)	Assay-dependent
Neutralization (Neu)	Assay-dependent
Western Blot (WB)	5-10 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Western blot should be visualized using a high sensitivity secondary/substrate system (i.e SuperSignal West Femto Maximum Sensitivity Substrate). A suggested positive control for this product is OGR1 transfected cell lysate.

Background/Target Information

GPR68 (also known as OGR1 - ovarian cancer G-protein coupled receptor 1) is a proton-sensing receptor involved in pH homeostasis. It represents an osteoblastic pH sensor regulating the cell-mediated response to acidosis in bone. GPR68 mediates its action by association with G proteins that stimulate inositol phosphate (IP) production or CA2+ mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Also found to serve as a tumor suppressor in prostate cancer. Mutations to the gene result in amelogenesis imperfecta, hypomaturation type 2A6.

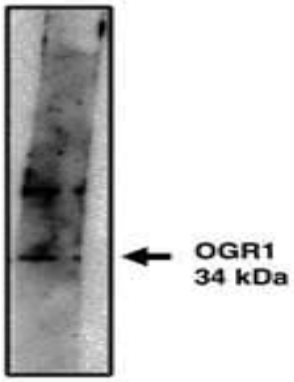
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Product Images For GPR68 Polyclonal Antibody



GPR68 Antibody (PA1-12713) in WB

Western blot analysis of GPR68 using a polyclonal antibody (Product # PA1-12713).

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