

Product Datasheet

GPER/GPR30 Antibody - BSA Free NLS1183

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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NLS1183

GPER/GPR30 Antibody - BSA Free

Product Information

Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

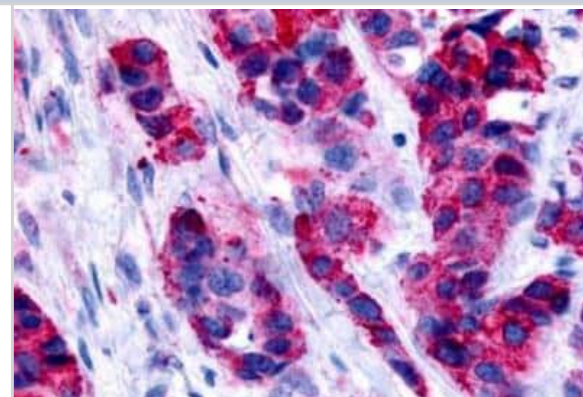
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	2852
Gene Symbol	GPER1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (Natale C et al). Predicted cross-reactivity based on sequence identity: Gorilla (100%), Marmoset (94%), Monkey (88%).
Specificity/Sensitivity	Human GPR30. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 16 amino acid peptide from 1st cytoplasmic domain of human GPER/GPR30.

Product Application Details

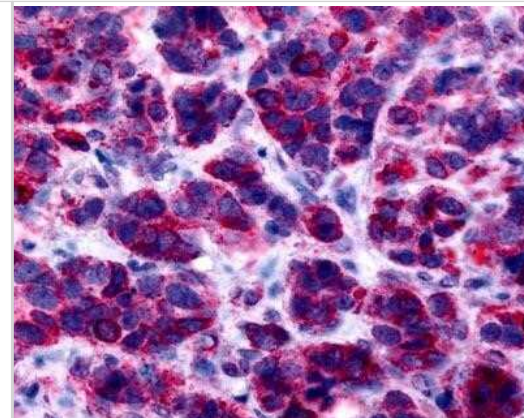
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000 - 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 15 - 20 ug/ml
Application Notes	ICC/IF usage is reported in scientific literature (PMID: 24011568). Use in IHC reported in scientific literature (PMID: 24011568).

Images

Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Human breast carcinoma. Tissue after heat-induced antigen retrieval.



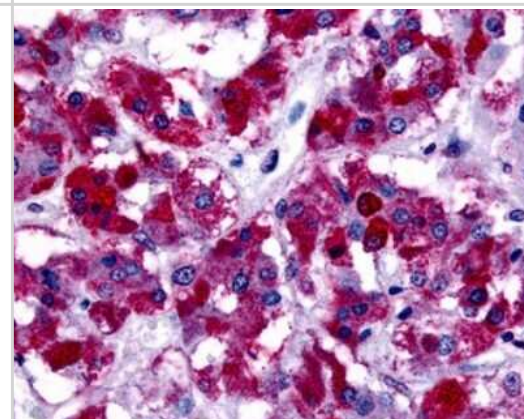
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Analysis of anti-GPER1 / GPR30 antibody with breast carcinoma.



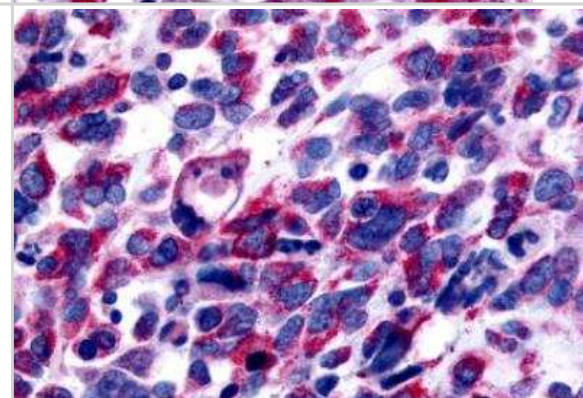
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Analysis of anti-GPER1 / GPR30 antibody with human, pancreas, islet.



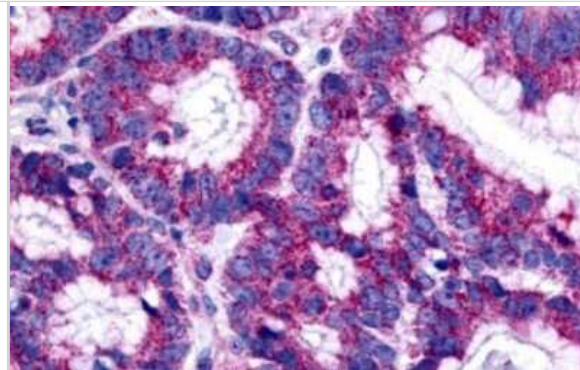
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Analysis of anti-GPER1 / GPR30 antibody with human adrenal.



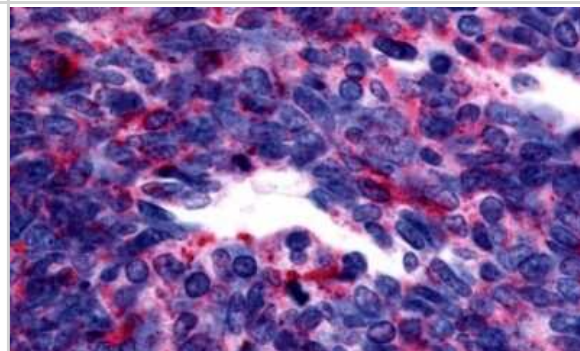
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Human Skin, Melanoma formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



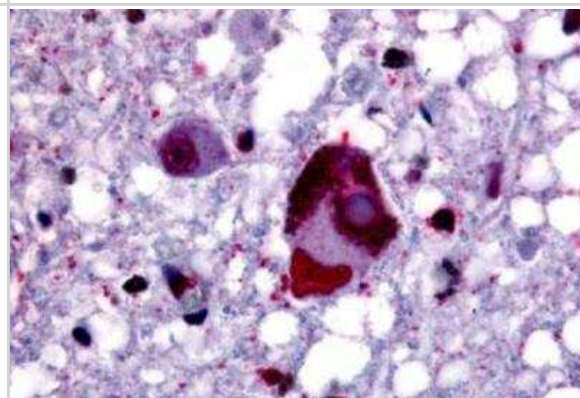
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Anti-GPER1 / GPR30 antibody IHC of human colon, carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



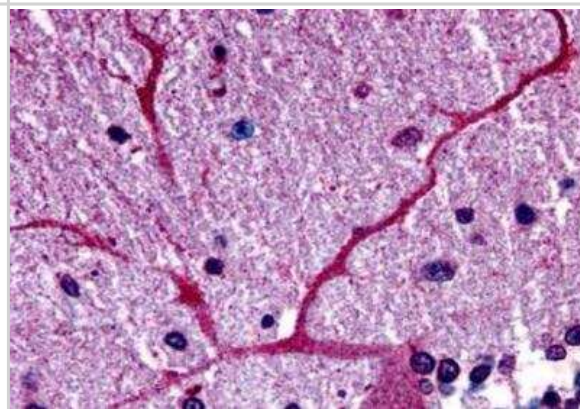
Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Anti-GPER1 / GPR30 antibody IHC of human Lung, Small Cell Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Brain, Parkinson's Lewy Body



Immunohistochemistry-Paraffin: GPER/GPR30 Antibody [NLS1183] - Brain, cerebellum, Purkinje neuron



Publications

Spatkowska M, Dyduch G, Broniatowska E Et al. Molecular Proof of a Clinical Concept: Expression of Estrogen Alpha-, Beta-Receptors and G Protein-Coupled Estrogen Receptor 1 (GPER) in Histologically Assessed Common Nevi, Dysplastic Nevi and Melanomas *Medicina* (Kaunas, Lithuania) 2021-11-11 [PMID: 34833446] (IHC-P, Human)

Natale CA, Li J, Pitarresi JR et al. Pharmacologic Activation of the G Protein-Coupled Estrogen Receptor Inhibits Pancreatic Ductal Adenocarcinoma *Cell Mol Gastroenterol Hepatol* 2020-05-04 [PMID: 32376419] (IHC-P)

Natale CA, Li J, Zhang J et al. Activation of G protein-coupled estrogen receptor signaling inhibits melanoma and improves response to immune checkpoint blockade *Elife* 2018-01-16 [PMID: 29336307] (IHC-P, Human)

Steiman J, Peralta EA, Louis S, Kamel O. Biology of the estrogen receptor, GPR30, in triple negative breast cancer. *Am J Surg.* 2013-09-04 [PMID: 24011568] (IF/IHC, ICC/IF, Human)

Park II, Zhang Q, Liu V et al. 17{beta}-estradiol at low concentrations acts through distinct pathways in normal versus BPH-derived prostate stromal cells. *Endocrinology* :en.2008-1591. 2009-01-01 [PMID: 19608654]

Hoffmeister MV, Damkier HH, Christensen BM et al. 17{beta}-estradiol induces non-genomic effects in renal intercalated cells through the G-protein coupled estrogen receptor 1. *Am J Physiol Renal Physiol.* 2011-10-12 [PMID: 21993891]





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Products Related to NLS1183

NB820-59465	MCF-7 Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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