

PTGIR Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14427C

Specification

PTGIR Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	P43119
Other Accession	NP_000951.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40956
Antigen Region	210-238

PTGIR Antibody (Center) - Additional Information

Gene ID 5739

Other Names

Prostacyclin receptor, Prostaglandin I2 receptor, PGI receptor, PGI2 receptor, Prostanoid IP receptor, PTGIR, PRIPR

Target/Specificity

This PTGIR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-238 amino acids from the Central region of human PTGIR.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTGIR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PTGIR Antibody (Center) - Protein Information

Name PTGIR

Synonyms PRIPR

Function Receptor for prostacyclin (prostaglandin I₂ or PGI₂). The activity of this receptor is mediated by G(s) proteins which activate adenylate cyclase.

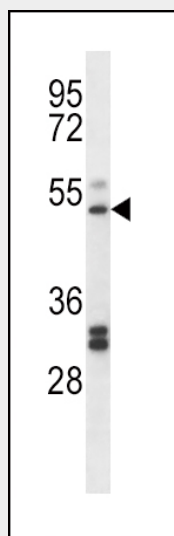
Cellular Location

Cell membrane; Multi-pass membrane protein.

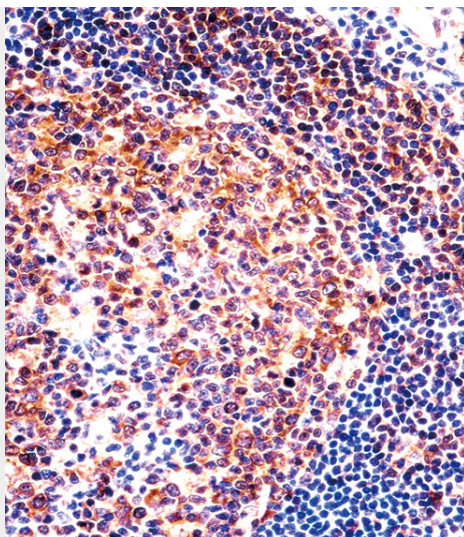
PTGIR Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTGIR Antibody (Center) - Images

PTGIR Antibody (Center) (Cat. #AP14427c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the PTGIR antibody detected the PTGIR protein (arrow).



PTGIR Antibody (Center) (AP14427c) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PTGIR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

PTGIR Antibody (Center) - Background

The protein encoded by this gene is a member of the G-protein coupled receptor family 1 and has been shown to be a receptor for prostacyclin. Prostacyclin, the major product of cyclooxygenase in macrovascular endothelium, elicits a potent vasodilation and inhibition of platelet aggregation through binding to this receptor.

PTGIR Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Ibrahim, S., et al. Arterioscler. Thromb. Vasc. Biol. 30(9):1802-1809(2010)
Reid, H.M., et al. J. Biol. Chem. 285(24):18709-18726(2010)
Muto, A., et al. Int Angiol 29 (2 SUPPL), 43-48 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)