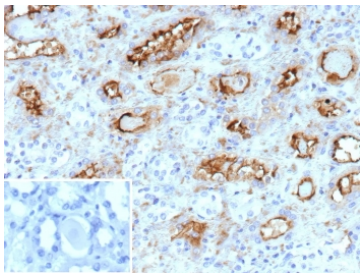
CD203c Antibody / ENPP3 / PD-Ibeta / PDNP3 [clone ENPP3/9892] (V5774)

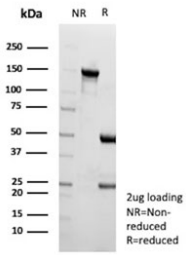
Catalog No.	Formulation	Size
V5774-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5774-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5774SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	ENPP3/9892
Purity	Protein A/G affinity
UniProt	O14638
Localization	Apical cell membrane, Cell membrane, Secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD203c antibody is available for research use only.



IHC staining of FFPE human kidney tissue with PD-Ibeta antibody (clone ENPP3/9892). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free PD-Ibeta antibody (clone ENPP3/9892) as confirmation of integrity and purity.

Description

Ecto-nucleotide pyrophosphatase/phosphodiesterase-I enzymes (E-NPP), a group of type II transmembrane proteins, cleave phosphodiester and phosphosulfate bonds in deoxynucleotides, NAD, and nucleotide sugars. There exist three closely related proteins in mammalian species: E-NPP1 (PC-1), E-NPP2 (PDNP2), and E-NPP-3, also known as CD203c, each expressed in different cells or at different locations in the same cells. Basophils, a type of major proinflammatory effector cells involved in diverse pathologic reactions, exhibit CD203c expression. For instance, CD203c expression increases in response to a variety of allergens, including cat dander, latex, and bee and wasp venom. However, these allergies are not the only condition associated with CD203c upregulation; CD203c upregulation may also serve as a tumor marker for colon carcinoma.

Application Notes

Optimal dilution of the CD203c antibody should be determined by the researcher.

Immunogen

A portion of amino acids 300-600 from human ENPP3 protein was used as the immunogen for the CD203c antibody.

Storage

Aliquot the CD203c antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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