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NIR1 Rabbit pAb

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Catalog # AP59023

Product Information

Application	WB
Primary Accession	Q9BZ71
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106781
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NIR1/RDGBA3
Epitope Specificity	131-250/974
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endomembrane system; Peripheral membrane protein
DISEASE	Defects in PITPNM3 are the cause of cone-rod dystrophy type 5 (CORD5) [MIM:600977]. CORDs are inherited retinal dystrophies belonging to the group of pigmentary retinopathies. CORDs are characterized by retinal pigment deposits visible on fundus examination, predominantly in the macular region, and initial loss of cone photoreceptors followed by rod degeneration. This leads to decreased visual acuity and sensitivity in the central visual field, followed by loss of peripheral vision. Severe loss of vision occurs earlier than in retinitis pigmentosa.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro) (By similarity). Binds calcium ions. Involvement in disease:Defects in PITPNM3 are the cause of cone-rod dystrophy type 5 (CORD5) . CORDs are inherited retinal dystrophies belonging to the group of pigmentary retinopathies. CORDs are characterized by retinal pigment deposits visible on fundus examination, predominantly in the macular region, and initial loss of cone photoreceptors followed by rod degeneration.

Additional Information

Gene ID	83394
Other Names	Membrane-associated phosphatidylinositol transfer protein 3, Phosphatidylinositol transfer protein, membrane-associated 3, PITPnm 3, Pyk2 N-terminal domain-interacting receptor 1, NIR-1, PITPNM3, NIR1
Dilution	WB=1:500-2000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

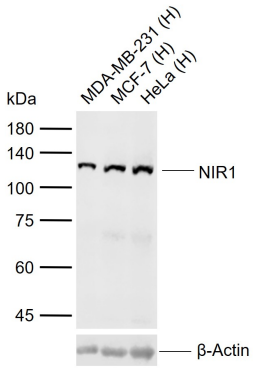
Protein Information

Name	PITPNM3
Synonyms	NIR1
Function	Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro) (By similarity). Binds calcium ions.
Cellular Location	Endomembrane system; Peripheral membrane protein
Tissue Location	Detected in brain and spleen, and at low levels in ovary.

Background

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Images



Sample:
Lane 1: Human MDA-MB-231 cell lysates
Lane 2: Human MCF-7 cell lysates
Lane 3: Human HeLa cell lysates
Primary: Anti-NIR1 (AP59023) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 106 kDa
Observed band size: 120 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.