

Product datasheet for **AP16227PU-N**

NIR2 (PITPNM1) (C-term) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Peptide ELISA: Limit dilution 1:8000. Western blot: Customer's experiments gave a band at approx 160kDa in lysates of a Mouse Macrophage cell line after 2 µg/ml antibody staining (calculated MW of 135kDa according to NP_004901.1). Immunocytochemistry: The customer found staining of vesicular cytoplasm in the same cell line.
Reactivity:	Bovine, Canine, Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide from the C-Terminus of the protein sequence according to NP_004901.2; NP_001124320.1.
Specificity:	This antibody detects NIR2 at C-term and is expected to recognise both reported isoforms.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphatidylinositol transfer protein membrane associated 1
Database Link:	Entrez Gene 9600 Human O00562



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Background:

NIR2 belongs to a family of proteins that share homology with the *Drosophila* retinal degeneration B (rdgB) protein. Nir2, a human homolog of *Drosophila melanogaster* retinal degeneration B protein, is essential for cytokinesis. A specific Thr residue in the Nir2 PI-transfer domain provides a regulatory site for targeting to lipid droplets. This may affect intracellular lipid trafficking and distribution & explain the dominant effect of the RdgB-T59E mutant on retinal degeneration.

Synonyms:

PITPNM1, DRES9, NIR2, PITPNM