



RHPN2 Polyclonal Antibody

Catalog No	YP-Ab-06096
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	RHPN2
Immunogen	Synthesized peptide derived from human protein . at AA range: 110-190
Specificity	RHPN2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Rhopilin-2;Rhopilin 2;RhoBP;p76RBE;GTP-Rho-binding protein 2;RHPN2; Rhophilin-2 (76 kDa RhoB effector protein) (GTP-Rho-binding protein 2) (p76RBE)
Observed Band	77 kDa
Calculated Molecular Weight	686 aa, 77 kDa
Cell Pathway	Cytoplasm, perinuclear region .
Tissue Specificity	Widely expressed. Highly expressed in prostate, trachea, stomach, colon, thyroid and pancreas. Expressed at lower level in brain, spinal cord, kidney, placenta and liver.
Function	function: Binds specifically to GTP-Rho. May function in a Rho pathway to limit stress fiber formation and/or increase the turnover of F-actin structures in the absence of high levels of RhoA activity., induction: By thyrotropin (TSH). Regulated by the cAMP pathway., similarity: Belongs to the RHPN family., similarity: Contains 1 BRO1 domain., similarity: Contains 1 PDZ (DHR) domain., similarity: Contains 1 REM (Hr1) repeat., subunit: Interacts with GTP-bound RhoA and RhoB. Interacts with both GTP- and GDP-bound RhoA. According to PubMed:12473120, it does not interact with RhoA. Interacts with KRT18., tissue specificity: Widely expressed. Highly expressed in prostate, trachea, stomach,



colon, thyroid and pancreas. Expressed at lower level in brain, spinal cord, kidney, placenta and liver.,

Background

This gene encodes a member of the rhophilin family of Ras-homologous (Rho)-GTPase binding proteins. The encoded protein binds both GTP- and GDP-bound RhoA and GTP-bound RhoB and may be involved in the organization of the actin cytoskeleton. [provided by RefSeq, Apr 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images