

# Immunotag™ RHPN2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1225
Product Description	Immunotag™ RHPN2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RHPN2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 110-190
Specificity	RHPN2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	RHPN2
Accession No.	Q8IUC4 Q8BWR8
Description	rhophilin Rho GTPase binding protein 2(RHPN2) Homo sapiens 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],
Protein Expression	Amygdala,Hippocampus,Kidney,Pituitary adenoma,Testis,

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Subcellular Localization	nucleoplasm,cytoplasm,cytosol,intracellular membrane-bounded organelle,perinuclear region of cytoplasm,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.