RALBP1 Conjugated Antibody

Catalog No: #C38202

Package Size: #C38202-AF350 100ul #C38202-AF405 100ul #C38202-AF488 100ul #C38202-AF555 100ul #C38202-AF594 100ul #C38202-AF647 100ul #C38202-AF680 100ul #C38202-AF750 100ul #C38202-Biotin 100ul

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Description

Product Name	RALBP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total RALBP1 antibody.
Immunogen Description	Recombinant protein of human RALBP1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	RALBP1;RIP1;RLIP1;RLIP76 ;
Accession No.	Swiss-Prot#:Q15311NCBI Gene ID:10928
Uniprot	Q15311
GeneID	10928;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	76
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The RalA binding protein 1 (RalBP1 or RLIP76) was originally identified as a GTP-RalA associated protein that acted as a downstream RalA effector in regulating Ral-Ras signaling (1). RalBP1 interacts with RalA and the endocytosis protein REPS2 (POB1) through its carboxy-terminal Ral binding domain. RalBP1 has an intrinsic GTPase activating function and interacts with Cdc42 through its centrally located Rho-GAP domain (1-3). A protein complex containing RalBP1/POB1/RalA regulates endocytosis of membrane receptors (4). RalBP1 also functions as a non-ABC transporter that catalyzes the ATP-dependent transport of numerous xenobiotics, including glutathione conjugates and some chemotherapeutic agents. RalBP1 transporter activity may play an important role in detoxification, drug resistance and the stress response (5-7). Increased expression of RalBP1 protein is associated with some forms of cancer and regression of cancer xenografts results from RalBP1 inhibition (8,9). Evidence to date suggests that RalBP1 may be a promising therapeutic target for cancer therapy.

Note: This product is for in vitro research use only