

Rabbit RALBP1 Polyclonal Antibody | anti-RALBP1 antibody

RALBP1 Polyclonal Antibody

CATALOG # AAA37276	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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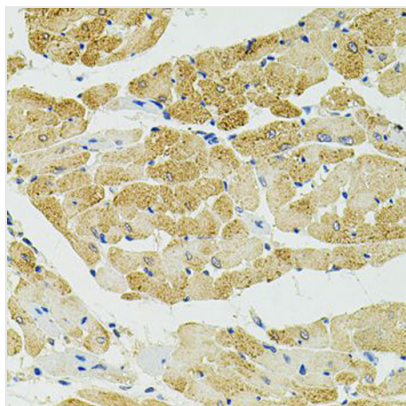
PRODUCT SYNONYMS

RALBP1; Polyclonal Antibody; RALBP1 Polyclonal Antibody; RIP1; RLIP1; RLIP76; anti-RALBP1 antibody

PRODUCT SPECIFICATIONS

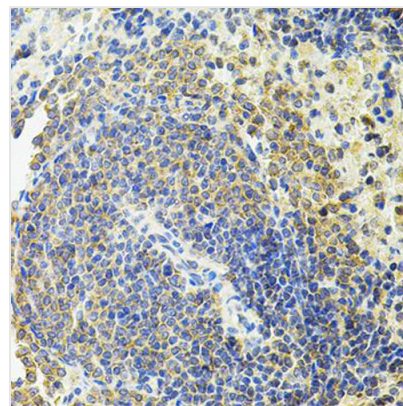
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	655
Applicable Applications for anti-RALBP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human RALBP1
Calculated Molecular Weight	76kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



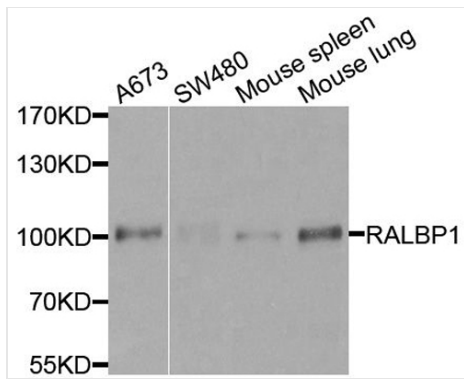
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using RALBP1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using RALBP1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RALBP1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-RALBP1 antibody	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.
Product Categories/Family for anti-RALBP1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	34098413
NCBI GeneID	10928
UniProt Accession #	Q15311 ; D3DU10
Molecular Weight	655
NCBI Official Full Name	RalA-binding protein 1
NCBI Official Synonym Full Names	ralA binding protein 1
NCBI Official Symbol	RALBP1
NCBI Official Synonym Symbols	RIP1; RLIP1; RLIP76
NCBI Protein Information	ralA-binding protein 1; DNP-SG ATPase; ral-interacting protein 1; 76 kDa Ral-interacting protein; dinitrophenyl S-glutathione ATPase
UniProt Protein Name	RalA-binding protein 1
UniProt Gene Name	RALBP1
UniProt Synonym Gene Names	RLIP1; RLIP76; RalBP1; DNP-SG ATPase
UniProt Entry Name	RBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

