

Rabbit anti-Human, Mouse REPS1 Polyclonal Antibody | anti-REPS1 antibody

Phospho-REPS1 (Ser709) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321380	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

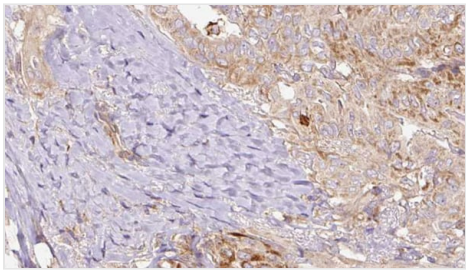
PRODUCT SYNONYMS

REPS1; Polyclonal Antibody; Phospho-REPS1 (Ser709) Antibody; RALBP1; RalBP1 associated Eps domain containing protein 1; RalBP1 interacting protein 1; RalBP1-associated Eps domain-containing protein 1; RalBP1-interacting protein 1; REPS1_HUMAN; anti-REPS1 antibody

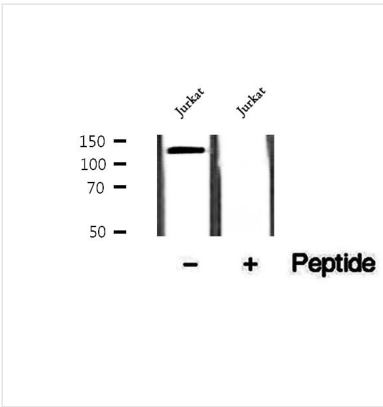
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-REPS1 (Ser709) antibody detects endogenous levels of REPS1.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	769
Applicable Applications for anti-REPS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human REPS1 around the phosphorylation site of Ser709.
Subcellular Location	Membrane > Clathrin-Coated Pit. Colocalize with ITSN1 at the plasma membrane in structures that are most probably clathrin-coated pits.
Tissue Specificity	Widely expressed with highest levels in heart and testis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser709
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321380 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Jurkat cells, using Phospho-REPS1 (Ser709) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-REPS1 antibody	Function: May coordinate the cellular actions of activated EGF receptors and Ral-GTPases. Subunit Structure: Homodimer (Potential). Interacts with RAB11FIP2. Interacts with RALBP1, CRK and GRB2. Binding to RALBP1 does not affect its Ral-binding activity. Forms a complex with the SH3 domains of CRK and GRB2 which may link it to an EGF-responsive tyrosine kinase (By similarity). Interacts with AMPH, ITSN1 (via SH3 domains) and SGIP1; may be involved in clathrin-mediated endocytosis. Post-translational Modifications: EGF stimulates phosphorylation on Tyr-residues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190886437
NCBI GeneID	85021
NCBI Accession #	NP_001122089.1
NCBI GenBank Nucleotide #	NM_001128617.2
UniProt Accession #	Q96D71; Q5JWJ5; Q5JWJ6; Q5JWJ7; Q8NDR7; Q8WU62; Q9BXY9; B7ZBZ8; B7ZBZ9; B7ZC00; J3KP76
Molecular Weight	Observed: 125 kDa Predicted: 87 kDa
NCBI Official Full Name	ralBP1-associated Eps domain-containing protein 1 isoform b
NCBI Official Synonym Full Names	RALBP1 associated Eps domain containing 1
NCBI Official Symbol	REPS1
NCBI Official Synonym Symbols	NBIA7; RALBP1
NCBI Protein Information	ralBP1-associated Eps domain-containing protein 1
UniProt Protein Name	RalBP1-associated Eps domain-containing protein 1
UniProt Gene Name	REPS1

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.