

Rabbit Rab5 Polyclonal Antibody | anti-RAB5A antibody

Anti-Rab5 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45144	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

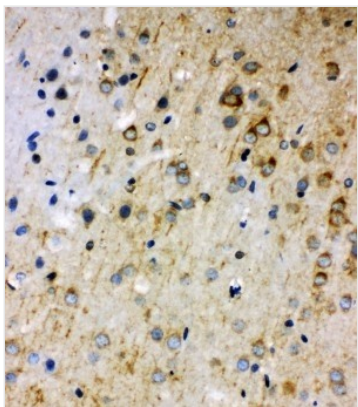
PRODUCT SYNONYMS

Rab5; Polyclonal Antibody; Anti-Rab5 antibody; Ras-related protein Rab-5A; RAB5A; member RAS oncogene family; RAB 5 antibody; RAB 5A antibody; RAB5A antibody; RAB5A member RAS oncogene family antibody; RAB5A_HUMAN antibody; RAS associated protein RAB5A antibody; Ras related protein Rab 5A antibody; Ras-related protein Rab-5A antibody; anti-RAB5A antibody

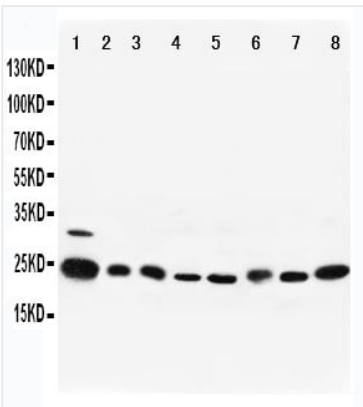
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	215
Applicable Applications for anti-RAB5A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Rab5 (138-155aa ANKRAVDFQEASQSYADDN), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Rab5 antibody, AAA45144, IHC(P)IHC(P):Rat Brain Tissue



WB (Western Blot)
Anti-Rab5 antibody, AAA45144, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Ovary Tissue LysateLane 3: Human Placenta Tissue LysateLane 4: HELA Cell LysateLane 5: 293T Cell LysateLane 6: A375 Cell LysateLane 7: COLO320 Cell LysateLane 8: MM453 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-RAB5A antibody	Description: Rabbit IgG polyclonal antibody for Ras-related protein Rab-5A(RAB5A) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: RAB5A(Ras-associated protein RAB5A), also called RAB5, is a protein that in humans is encoded by the RAB5A gene. RAB5 is a rate-limiting component of the machinery regulating the kinetics of membrane traffic in the early endocytic pathway. The RAB5A gene is mapped on 3p24.3. Tuberin functions as a RAB5GAP in vivo to negatively regulate RAB5-GTP activity in endocytosis. Ectopically expressed ALS2 localized with RAB5 and early endosome antigen-1 onto early endosomal compartments and stimulated the enlargement of endosomes in cultured cortical neurons. RAB5 is indispensable for a form of receptor tyrosine kinase-induced actin remodeling called circular ruffling. RAB5 signals to the actin cytoskeleton through RNTRE, a RAB5-specific GTPase-activating protein(GAP). RAB5 activity on phagosome membranes began to increase on disassembly of the actin coat encapsulating phagosomes. RAB5 activation was either continuous or repetitive for up to 10 minutes, but it ended before the collapse of engulfed apoptotic cells. Expression of a dominant-negative mutant of RAB5 delayed this collapse of apoptotic thymocytes, showing a role for RAB5 in phagosome maturation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1346958
NCBI GeneID	5868
UniProt Accession #	P20339; Q6FI44; B4DJA5
Molecular Weight	22,178 Da
NCBI Official Full Name	Ras-related protein Rab-5A
NCBI Official Synonym Full Names	RAB5A, member RAS oncogene family
NCBI Official Symbol	RAB5A
NCBI Official Synonym Symbols	RAB5
NCBI Protein Information	ras-related protein Rab-5A; RAS-associated protein RAB5A
UniProt Protein Name	Ras-related protein Rab-5A
UniProt Gene Name	RAB5A
UniProt Synonym Gene Names	RAB5
UniProt Entry Name	RAB5A_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rab5-antibody-immunohistochemistry-western-blot-elisa/45144>