

Rabbit R-Ras Polyclonal Antibody | anti-R-Ras antibody

Phospho-R-Ras (Tyr66) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31465	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Dog (100%)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

R-Ras; Polyclonal Antibody; Phospho-R-Ras (Tyr66) Antibody; Oncogene RRAS; p23; R Ras; Ras related Protein; Ras related protein R Ras; Ras-related protein R-Ras; related RAS viral (r ras) oncogene homolog; RRAS; RRAS_HUMAN; anti-R-Ras antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Sheep (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-R-Ras (Tyr66) Antibody detects endogenous levels of R-Ras only when phosphorylated at Tyr66.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-R-Ras antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:1000-3000 IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human R-Ras around the phosphorylation site of Tyr66.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	S-palmitoylated by ZDHHC19, leading to increased association with membranes and with rafts/caveolae as well as enhanced cell viability.
Subunit Structure	Interacts with PLCE1. Interacts (active GTP-bound form preferentially) with RGS14 (By similarity). Interacts with OSBPL3 (By similarity). Interacts with ZDHHC19.
Similarity	Belongs to the small GTPase superfamily. Ras family.
Subcellular Location	Cell membrane>Lipid-anchor>Cytoplasmic side. Note: Inner surface of plasma membrane possibly with attachment requiring acylation of the C-terminal cysteine (By similarity with RAS).
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/100 staining Human gastric cancer and adjacent normal tissues 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



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IHC (Immunohistochemistry)
At 1/100 staining Human colorectal cancer 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Human kidney cancer 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Human ovarian cancer 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-R-Ras antibody	Regulates the organization of the actin cytoskeleton. With OSPBL3, modulates integrin beta-1 (ITGB1) activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5454028
NCBI GeneID	6237
NCBI Accession #	NP_006261.1
NCBI GenBank Nucleotide #	NM_006270.3
UniProt Accession #	P10301; Q6FH12
Molecular Weight	23,480 Da
NCBI Official Full Name	ras-related protein R-Ras
NCBI Official Synonym Full Names	related RAS viral (r-ras) oncogene homolog
NCBI Official Symbol	RRAS
NCBI Protein Information	ras-related protein R-Ras; Oncogene RRAS; p23
UniProt Protein Name	Ras-related protein R-Ras
UniProt Gene Name	RRAS
UniProt Entry Name	RRAS_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/r-ras-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31465>