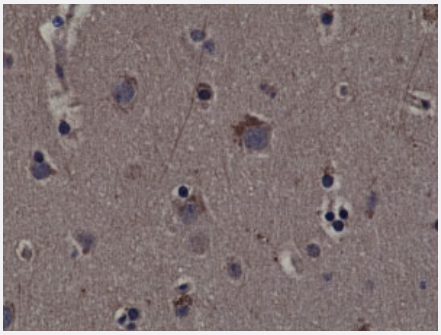
RecomAb™

RSK1 (phospho T359/S363) monoclonal antibody, clone RM233

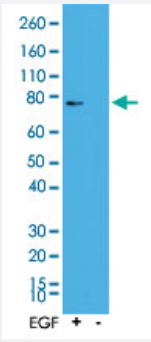
Catalog # MAB14908 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with RSK1 (phospho T359/S363) monoclonal antibody, clone RM233 (Cat # MAB14908).



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of A-431 cell with RSK1 (phospho T359/S363) monoclonal antibody, clone RM233 (Cat # MAB14908). A431 cells treated (+) or nontreated (-) with EGF.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human RSK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g T359/S363 of human RSK1.
Sequence	N/A
Reactivity	Human
Specificity	Recognizes human RSK1 only when phosphorylated at T359/S363.

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Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with RSK1 (phospho T359/S363) monoclonal antibody, clone RM233 (Cat # MAB14908).

- Western Blot (Cell lysate)

  Western Blot (Cell lysate) analysis of A-431 cell with RSK1 (phospho T359/S363) monoclonal antibody, clone RM233 (Cat # MAB14908). A431 cells treated (+) or nontreated (-) with EGF.

Gene Info — RPS6KA1

Entrez GeneID	6195
Gene Name	RPS6KA1
Gene Alias	HU-1, MAPKAPK1A, RSK, RSK1
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 1
Omim ID	601684
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinase s. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substr ates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcript ional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000004113|S6K-alpha 1|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypep tide 1)|p90-RSK 1|ribosomal protein S6 kinase alpha 1|ribosomal protein S6 kinase, 90kD, 1|ribo somal protein S6 kinase, 90kD, polypeptide 1

Gene Info — RPS6KA2

Entrez GeneID	6196
Gene Name	RPS6KA2
Gene Alias	HU-2, MAPKAPK1C, RSK, RSK3, S6K-alpha, S6K-alpha2, p90-RSK3, pp90RSK3
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 2
Omim ID	601685
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinase s. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various subst rates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcript ional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	ribosomal S6 kinase 3|ribosomal protein S6 kinase alpha 2|ribosomal protein S6 kinase, 90kD, p olypeptide 2

Pathway

- Long-term potentiation
- Long-term potentiation
- MAPK signaling pathway
- MAPK signaling pathway
- mTOR signaling pathway
- mTOR signaling pathway

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- Neurotrophin signaling pathway
- Neurotrophin signaling pathway

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure
- Tobacco Use Disorder

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