# **RPS6KA3** polyclonal antibody

Catalog # PAB29387 Size 100 uL

## Applications



#### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with RPS6KA3 polyclonal antibody (Cat # PAB29387) at 1:100-1:250 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining of human colon with RPS6KA3 polyclonal antibody (Cat # PAB29387) shows strong nuclear and cytoplasmic positivity in glandular cells at 1:500-1:1000 dilution.



#### Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with RPS6KA3 polyclonal antibody (Cat # PAB29387) at 1-4 ug/mL concentration shows positivity in nucleus and cytoplasm.



Specification	
Product Description	Rabbit polyclonal antibody raised against recombinant human RPS6KA3.
Immunogen	Recombinant protein corresponding to human RPS6KA3.
Sequence	MPLAQLADPWQKMAVESPSDSAENGQQIMDEPMGEEEINPQTEEVSIKEIAITHHVKEGHEKADP SQFELLKVLGQGSFGKVFLVKKISGSDARQLYAMKVLKKATLKVRDRVRTKMERDILVEVNHPFIV KLHYAFQTEGKLY
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
lsotype	lgG
Recommend Usage	Immunohistochemistry (1:500-1:1000) Immunofluorescence (1-4 ug/mL) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with RPS6KA3 polyclonal antibody (Cat # PAB29387) at 1:100-1:250 dilution.

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

Immunohistochemical staining of human colon with RPS6KA3 polyclonal antibody (Cat # PAB29387) shows strong nuclear and cytoplasmic positivity in glandular cells at 1:500-1:1000 dilution.

#### Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with RPS6KA3 polyclonal antibody (Cat # PAB29387) at 1-4 ug/mL concentration shows positivity in nucleus and cytoplasm.

## Gene Info — RPS6KA3

Entrez GenelD	<u>6197</u>
Gene Name	RPS6KA3
Gene Alias	CLS, HU-3, ISPK-1, MAPKAPK1B, MRX19, RSK, RSK2, S6K-alpha3, p90-RSK2, pp90RSK2
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 3
Omim ID	<u>300075</u> <u>303600</u>
Gene Ontology	<u>Hyperlink</u>
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. Mutations in this g ene have been associated with Coffin-Lowry syndrome (CLS). [provided by RefSeq
Other Designations	OTTHUMP00000023036 insulin-stimulated protein kinase 1 mental retardation, X-linked 19 ribos omal protein S6 kinase, 90kD, polypeptide 3

### Pathway

- Long-term potentiation
- MAPK signaling pathway
- <u>mTOR signaling pathway</u>
- Neurotrophin signaling pathway

#### Disease

- <u>Head and Neck Neoplasms</u>
- <u>Neoplasm Recurrence</u>



**Product Information** 

<u>Neoplasms</u>