

Datasheet for ABIN2855217  
**anti-RPS6KB2 antibody (Center)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	RPS6KB2
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6KB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human S6K2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus)
Cross-Reactivity (Details):	Rat (93 %)
Characteristics:	Rabbit Polyclonal antibody to S6K2 (ribosomal protein S6 kinase, 70 kDa, polypeptide 2) S6K2 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

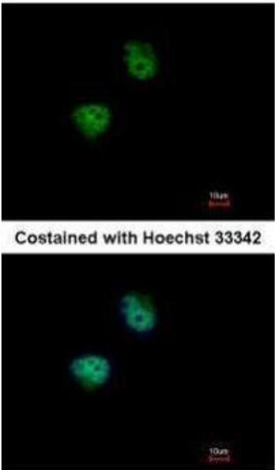
Target:	RPS6KB2
Alternative Name:	S6K2 ( <a href="#">RPS6KB2 Products</a> )
Background:	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates the S6 ribosomal protein and eucaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.
Molecular Weight:	53 kDa
Gene ID:	6199
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji , NIH-3T3
Restrictions:	For Research Use only

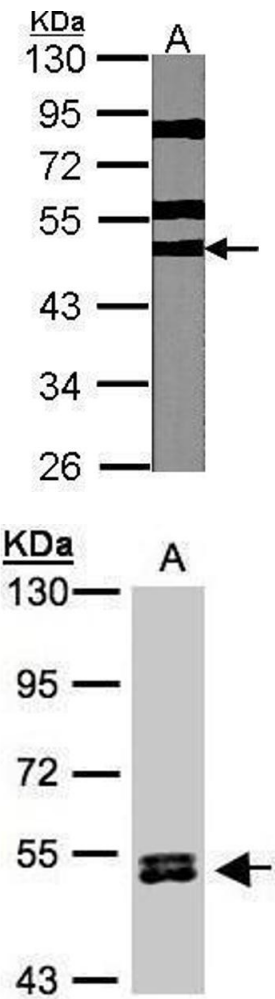
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using S6K2, antibody at 1:500 dilution.



Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A:NIH-3T3 10% SDS PAGE antibody diluted at 1:1000

Western Blotting

**Image 3.** WB Image Sample(30 µg of whole cell lysate) A:HeLa S3, 7.5% SDS PAGE antibody diluted at 1:500