

# Product Datasheet

## p70 S6 Kinase/S6K Antibody - BSA Free NB100-293

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 6

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**NB100-293**

p70 S6 Kinase/S6K Antibody - BSA Free

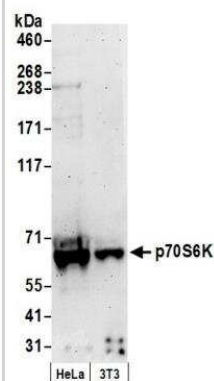
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Host	Rabbit
Gene ID	6198
Gene Symbol	RPS6KB1
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 475 and the C-terminus (residue 525) of human Ribosomal Protein S6 Kinase, 70 kDa, polypeptide 1 using the numbering given in entry NP_003152.1 (GeneID 6198).

Product Application Details	
Applications	Western Blot, Simple Western
Recommended Dilutions	Western Blot 1:2500-1:20000, Simple Western
Application Notes	Useful for Western blot where a 70kDa band is seen. *The investigator should determine the optimal working dilution for a specific application. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: tested in treated and untreated MCF7; antibody dilution of 1:50; separated by size

**Images**

Western Blot: p70 S6 Kinase/S6K Antibody [NB100-293] - Detection of Human and Mouse p70S6K by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa and mouse NIH3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-p70S6K antibody NB100-293 used for WB at 0.05 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Kumari R, Willing LB, Jefferson LS et al. REDD1 (regulated in development and DNA damage response 1) expression in skeletal muscle as a surrogate biomarker of the efficiency of glucocorticoid receptor blockade. *Biochem Biophys Res Commun* 2011-09-01 [PMID: 21856283]

Favier FB, Costes F, Defour A et al. Downregulation of Akt/mammalian target of rapamycin pathway in skeletal muscle is associated with increased REDD1 expression in response to chronic hypoxia. *Am J Physiol Regul Integr Comp Physiol* 2010-06-01 [PMID: 20237300]

Corl BA, Odle J, Niu X et al. Arginine activates intestinal p70(S6k) and protein synthesis in piglet rotavirus enteritis. *J Nutr* 2008-01-01 [PMID: 18156399]

Choong LY, Lim S, Loh MC et al. Progressive loss of epidermal growth factor receptor in a subpopulation of breast cancers: implications in target-directed therapeutics. *Mol Cancer Ther* 2007-11-01 [PMID: 17989321]

Rhoads JM, Corl BA, Harrell R et al. Intestinal ribosomal p70(S6K) signaling is increased in piglet rotavirus enteritis. *Am J Physiol Gastrointest Liver Physiol* 2007-03-01 [PMID: 17138969]

Rhoads JM, Niu X, Odle J et al. Role of mTOR signaling in intestinal cell migration. *Am J Physiol Gastrointest Liver Physiol* 2006-09-01 [PMID: 16710051]





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### **Products Related to NB100-293**

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NBL1-15574	p70 S6 Kinase/S6K Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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