

# Product Datasheet

## Kinesin 5A Antibody NB100-1058

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-1058**

Kinesin 5A Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	3798
Gene Symbol	KIF5A
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Mouse, Rat, Canine, Bovine.
Immunogen	Peptide with sequence C-QAKLFPLHQETAAS corresponding to C-Terminus according to NP_004975.2.
Notes	Please note, this antibody is considered Innovators Grade. Innovators Grade antibodies are generally unvalidated and require additional characterization for most new species/applications. Novus has made these antibodies available through our Innovators Reward program. Complete an online review with image, detailing your positive or negative results. In return, you receive a discount voucher for 100% of the purchase price of the reviewed product. Please contact us at <a href="mailto:innovators@novusbio.com">innovators@novusbio.com</a> for more details.

Product Application Details	
Applications	Peptide ELISA
Recommended Dilutions	Peptide ELISA Detection limit 1:16000
Application Notes	WB: Preliminary experiments gave bands at approx. 140, 50, 35 and 20 kDa bands in human brain lysates at 1 ug. Please note that currently we cannot find an explanation in scientific literature for the multiple bands we observe given the predicted MW of approx. 119 kDa band according to NP_004975.

**Publications**

Reid E, Kloos M, Ashley-Koch A et al. A kinesin heavy chain (KIF5A) mutation in hereditary spastic paraplegia (SPG10). *Am J Hum Genet* 2002-11-01 [PMID: 12355402]





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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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