

# Product Datasheet

## Rat beta-NGF ELISA Kit (Colorimetric) KA0401

Unit Size: 1 Kit

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**KA0401****Rat beta-NGF ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

<b>Product Description</b>	
<b>Description</b>	Ngf (Rat) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of rat Ngf.
<b>Gene ID</b>	4803
<b>Gene Symbol</b>	NGF
<b>Species</b>	Rat
<b>Kit Components</b>	96-well plate precoated with anti- rat NGF antibody, Lyophilized recombinant rat NGF standard, Biotinylated anti- rat NGF antibody (dilution 1:100), Avidin-Biotin-Peroxidase Complex (ABC) (dilution 1:100), Sample diluent buffer, Antibody diluent buffer, ABC diluent buffer, TMB color developing agent, TMB stop solution, Adhesive cover
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	15.6 to 1000 pg/mL
<b>Sensitivity</b>	<1 pg/mL
<b>Inter Assay</b>	CV% < 6.1%
<b>Intra Assay</b>	CV% < 5.4%
<b>Assay Type</b>	Sandwich ELISA
<b>Suitable Sample Type</b>	Cell Culture Supernatant, Serum
<b>Sample Volume</b>	100 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Publications**

Ullrich A, Gray A, Berman C, Dull TJ. Human beta-nerve growth factor gene sequence highly homologous to that of mouse. *Nature*. 1983-06-30 [PMID: 6688123]

Sanico AM, Stanis AM, Gleeson TD et al. Nerve growth factor expression and release in allergic inflammatory disease of the upper airways. *Am J Respir Crit Care Med* 2000-05-01 [PMID: 10806167]

Inoue S, Saito M, Tsounapi P et al. Effect of silodosin on detrusor overactivity in the male spontaneously hypertensive rat. *BJU Int*. 2011-12-07 [PMID: 22146017]

Inoue S, Saito M, Takenaka A. Hydroxyfasudil Ameliorates Bladder Dysfunction in Male Spontaneously Hypertensive Rats. *Urology*. 2012-02-24 [PMID: 22365452]

Shimizu S, Saito M, Oiwa H et al. Olmesartan ameliorates urinary dysfunction in the spontaneously hypertensive rat via recovering bladder blood flow and decreasing oxidative stress. *Neurourol Urodyn*. 2014-03-01 [PMID: 23775684] (Rat)





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### **Products Related to KA0401**

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236-EG-200	EGF [Unconjugated]
256-GF-100	beta-NGF [Unconjugated]
210-TA-005	TNF-alpha [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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