

# Product Datasheet

## DYKDDDDK Epitope Tag Antibody - BSA Free NB600-345

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB600-345****DYKDDDDK Epitope Tag Antibody - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	1.01 kDa

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Species</b>	Epitope Tag
<b>Specificity/Sensitivity</b>	DYKDDDDK Epitope Tag Antibody reacts with FLAG.
<b>Immunogen</b>	To produce DYKDDDDK Epitope Tag Antibody, Rabbits were immunized with ECS enterokinase cleavage site (xxxDDDDK) conjugated to KLH. Antibody was isolated by affinity chromatography using the peptide immobilized on solid support.
<b>Notes</b>	FLAG(R) and ANTI-FLAG(R) are registered trademarks of Sigma-Aldrich Co. LLC.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:30000, Simple Western reported by internal validation, ELISA 1:1000-1:30000 (Primary) 1:100-1:500 (For Coating , Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:400, Immunoprecipitation 1 - 4 ug/mg lysate
<b>Application Notes</b>	Use in IHC reported in scientific literature (PMID: 33219296) ELISA for coating plates 1:100 - 1:500. Use in Western Blot reported in scientific literature (PMID: 30297740). In Simple Western internal validation: Abro1 NT Tx lysate at 0.1 mg/ml as sample; separated by size; antibody dilution of 1:250; matrix was 12-230 kDa; detected by Chemiluminescence.

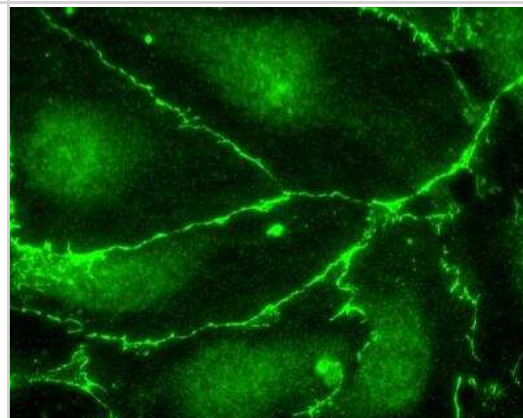


## Images

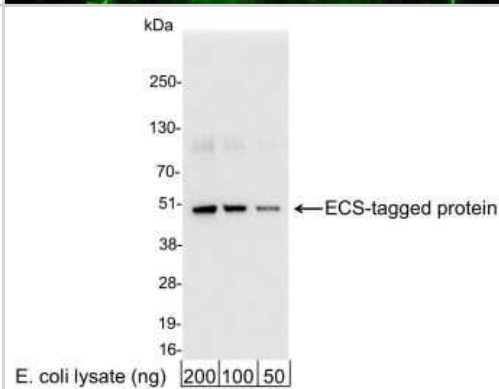
Western Blot: DYKDDDDK Epitope Tag Antibody [NB600-345] - used for Western Blot. Lane 1: Untransfected HEK (control) Lane 2: Transfected HEK (FLAG-tagged protein, clone 1) Lane 3: Transfected HEK (FLAG-tagged protein, clone 2). Image from verified customer review.



Immunocytochemistry/Immunofluorescence: DYKDDDDK Epitope Tag Antibody [NB600-345] - Samples: Human microvascular endothelial cells expressing FLAG tagged beta-catenin following transient transfection. Antibody: Affinity purified goat DYKDDDDK Epitope Tag Antibody [NB600-345] used at 1 ug/ml. Detection: FITC labeled rabbit anti-goat IgG (h+l).



Western Blot: DYKDDDDK Epitope Tag Antibody [NB600-345] - Samples: 200, 100, or 50 ng of E. coli whole cell lysate expressing a multi-tag fusion protein. Antibody: Affinity purified goat DYKDDDDK Epitope Tag Antibody [NB600-345] used for WB at 0.04 ug/ml (1:25,000). Detection: Chemiluminescence with an exposure time of 30 seconds. Observed molecular weight ~49 kDa



## Publications

Renier TJ, Paetz OR, Paal MC et al. Changing the phospholipid composition of lipid droplets alters localization of select lipid droplet proteins *microPublication biology* 2023-11-03 [PMID: 38021172] (SDS-Page)

Escobar A, Styrpejko DJ, Ali S, Cuajungco MP. Transmembrane 163 (TMEM163) protein interacts with specific mammalian SLC30 zinc efflux transporter family members *Biochemistry and Biophysics Reports* 2022-12-01 [PMID: 36204728] (Immunoprecipitation)

Yurkovetskiy L, Guney MH, Kim k et al. Primate immunodeficiency virus proteins Vpx and Vpr counteract transcriptional repression of proviruses by the HUSH complex. *Nat Microbiol.* 2018-10-08 [PMID: 30297740] (WB)

Chatterjee Bhowmick D, Burnett L, Kudaibergenova Z, Jeremic AM FoxA2 and RNA Pol II mediate human islet amyloid polypeptide turnover in ER-stressed pancreatic beta-cells *The Biochemical journal* 2021-03-26 [PMID: 33650632] (WB, IF/IHC)

Ketkar A, Smith L, Johnson C et al. Human Rev1 relies on insert-2 to promote selective binding and accurate replication of stabilized G-quadruplex motifs *Nucleic acids research* 2021-02-26 [PMID: 33555350] (WB)

Tindell SJ, Rouchka EC, Arkov AL Glial granules contain germline proteins in the *Drosophila* brain, which regulate brain transcriptome *Commun Biol* 2020-11-20 [PMID: 33219296] (IF/IHC)

### Details:

Immunohistochemical analysis performed on *Drosophila* brains transfected with plasmids for tagging tud

Maria AG, Tatsi C, Berthon AS et al. ARMC5 variants in PRKAR1A-mutated patients modify cortisol levels and Cushing's syndrome *Endocr. Relat. Cancer* 2020-07-01 [PMID: 32638579]

Gonzalez CM, Wang L, Damania B et al. Kaposi's sarcoma-associated herpesvirus encodes a viral deubiquitinase *J Virol*

### Details:

This publication used the HRP conjugated form of this antibody (Cat# NB600-389).

Jung YS, Liu G, Chen X et al. Pirh2 E3 ubiquitin ligase targets DNA polymerase eta for 20S proteasomal degradation *Mol Cell Biol* 2010-02-01 [PMID: 20008555]

### Details:

This citation used the HRP version of this antibody.

Gonzalez CM, Wang L, Damania B et al. Kaposi's sarcoma-associated herpesvirus encodes a viral deubiquitinase *J Virol* 2009-10-01 [PMID: 19640989]

### Details:

This citation used the HRP version of this antibody.

Jeong KJ, Seo MJ, Iverson BL et al. APEx 2-hybrid, a quantitative protein-protein interaction assay for antibody discovery and engineering *Proc Natl Acad Sci USA* 2007-05-01 [PMID: 17494738]

### Details:

This citation used the HRP version of this antibody.

Snow JW, Kim J, Currie CR et al. Sumoylation regulates interaction of FOG1 with C-terminal-binding protein (CTBP). *J Biol Chem* 2010-09-01 [PMID: 20587419]

More publications at <http://www.novusbio.com/NB600-345>





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### **Products Related to NB600-345**

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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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