

# Product Datasheet

## EEA1 Antibody - BSA Free NBP1-30914

Unit Size: 0.1 ml

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

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**NBP1-30914**

EEA1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	162 kDa

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit EEA1 Antibody - BSA Free (NBP1-30914) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-EEA1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	8411
<b>Gene Symbol</b>	EEA1
<b>Species</b>	Human, Mouse, Rat, Hamster
<b>Marker</b>	Early Endosome Marker
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human EEA1. The exact sequence is proprietary.

**Product Application Details**

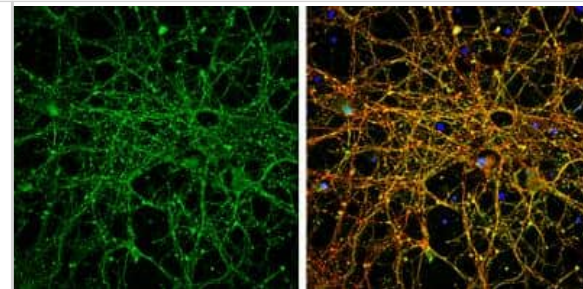
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunomicroscopy
<b>Recommended Dilutions</b>	Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunomicroscopy Reported in scientific literature (PMID: 27795427)

**Images**

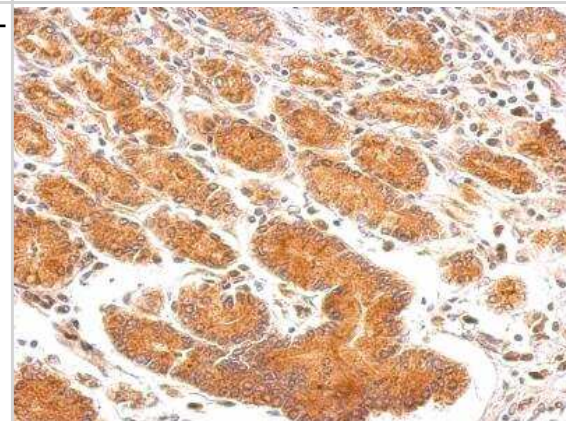
Western Blot: EEA1 Antibody [NBP1-30914] - 30 ug each lane of HEK-293 cell extracts. Image from verified customer review.



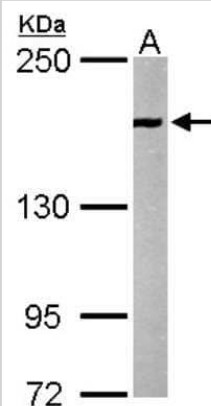
Immunocytochemistry/Immunofluorescence: EEA1 Antibody [NBP1-30914] - DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: EEA1 protein stained by EEA1 antibody at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody (NBP2-43561) at 1:500. Blue: Fluoroshield with DAPI.



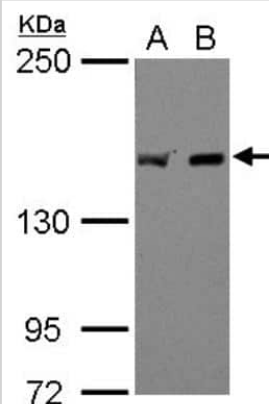
Immunohistochemistry-Paraffin: EEA1 Antibody [NBP1-30914] - Paraffin-embedded colon carcinoma. Antibody at 1:500.



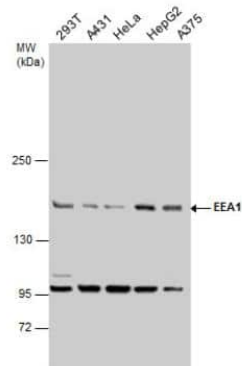
Western Blot: EEA1 Antibody [NBP1-30914] - Mouse brain. 5% SDS PAGE. Antibody at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



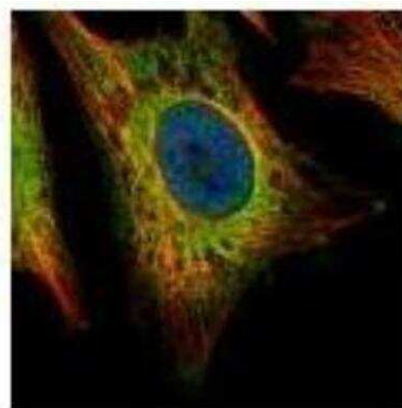
Western Blot: EEA1 Antibody [NBP1-30914] - A. 30 ug PC-12 whole cell lysate/extract, B. 30 ug Rat 2 whole cell lysate/extract. 5% SDS-PAGE. Antibody at 1:1000.



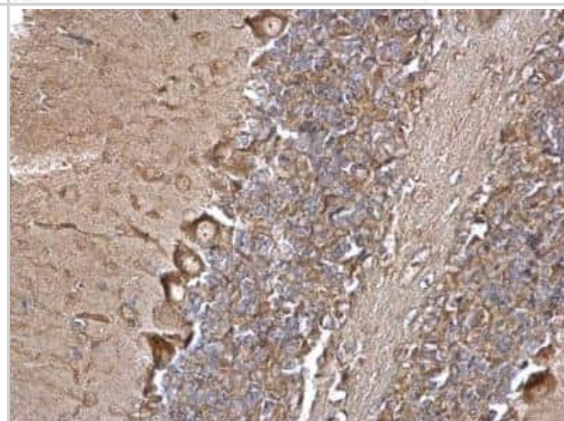
Western Blot: EEA1 Antibody [NBP1-30914] - 30 ug whole cell lysate/extracts B. Antibody at 1:5000.



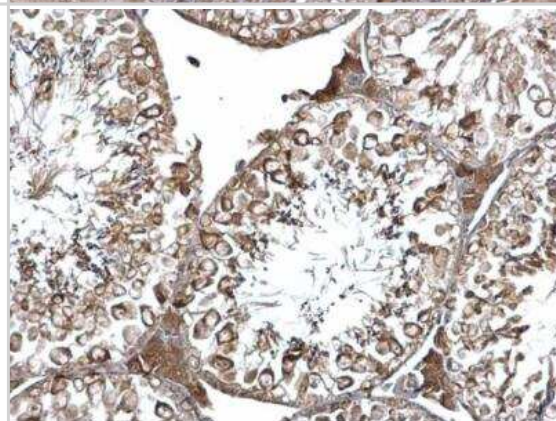
Immunocytochemistry/Immunofluorescence: EEA1 Antibody [NBP1-30914] - Methanol-fixed HeLa cells, using EEA1 (NBP1-30914) antibody (green) at 1:500 dilution. Alpha-tubulin filaments were labeled red.



Immunohistochemistry-Paraffin: EEA1 Antibody [NBP1-30914] - Mouse testis. EEA1 antibody [C3], C-term (GTX109638) dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunohistochemistry-Paraffin: EEA1 Antibody [NBP1-30914] - Mouse testis. EEA1 antibody [C3], C-term dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Supratik Das, Hilal Ahmad Parray, Adarsh Kumar Chiranjivi, Prince Kumar, Abhishek Goswami, Manish Bansal, Deepak Kumar Rathore, Rajesh Kumar, Sweetie Samal Kennedy Epitope (KE)-dependent Retrograde Transport of Efficiently Cleaved HIV-1 Envelopes (Envs) and its Effect on Env Cell Surface Expression and Viral Particle Formation. The protein journal 2023-10-04 [PMID: 37794304]

Momei Zhou, Benjamin Vollmer, Emily Machala, Muyuan Chen, Kay Grünewald, Ann M Arvin, Wah Chiu, Stefan L Oliver Targeted mutagenesis of the herpesvirus fusogen central helix captures transition states. Nature communications 2023-12-04 [PMID: 38042814]

Das S, Parray H, Chiranjivi A et al. Kennedy epitope (KE)-dependent retrograde transport of efficiently cleaved HIV-1 envelopes (Envs) and its effect on Env cell surface expression and viral particle formation Research Square 2022-11-10 (Western Blot, Human)

Murakami R, Chiba Y, Nishi N et al. Immunoreactivity of receptor and transporters for lactate located in astrocytes and epithelial cells of choroid plexus of human brain Neurosci Lett 2020-11-16 [PMID: 33212210] (ICC/IF, Human)

### Details:

Immunofluorescence analysis and immunohistochemical analysis of human brain samples. Western blot analysis performed in HeLa and HT-29.

Yang E, Arvin AM, Oliver SL. The Glycoprotein B Cytoplasmic Domain Lysine Cluster Is Critical for Varicella Zoster Virus Cell-Cell Fusion Regulation and Infection. J. Virol. 2016-10-26 [PMID: 27795427] (IM)

Yang E, Arvin AM, Oliver SL. The cytoplasmic domain of varicella-zoster virus glycoprotein h regulates syncytia formation and skin pathogenesis. PLoS Pathog. 2014-05-01 [PMID: 24874654] (ICC/IF, Human)

### Details:

Human melanoma cells transiently expressing gH[WT] or gH mutants with gL at 24 hours post transfection were immunostained for early endosome antigen (EEA1) with anti-EEA1 antibody - immunostaining appearing as punctae in the cytoplasm (Figure 4). Human melanoma cells at 24 (Uninfected) or infection with pOka-gH[?834-841], pOka-gH[TL], pOka-gH[Y835A], pOka-gH[Y835F], pOka-gH[V5], pOka-gH[834StopV5], or pOka viruses were also stained for EEA1 (Figure 8).

Oliver SL, Brady JJ, Sommer MH et al. An immunoreceptor tyrosine-based inhibition motif in varicella-zoster virus glycoprotein B regulates cell fusion and skin pathogenesis. Proc Natl Acad Sci U S A 2013-01-29 [PMID: 23322733] (ICC/IF, Human)

Chen YT, Tsai MS, Yang TL et al. R26R-GR: a Cre-activable dual fluorescent protein reporter mouse. PLoS One 2012-01-01 [PMID: 23049968] (ICC/IF, Human)





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### **Products Related to NBP1-30914**

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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
H00008411-Q01-10ug	Recombinant Human EEA1 GST (N-Term) Protein

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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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