

Product Datasheet

EDIL3/DEL1 Antibody - BSA Free NBP1-28632

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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NBP1-28632

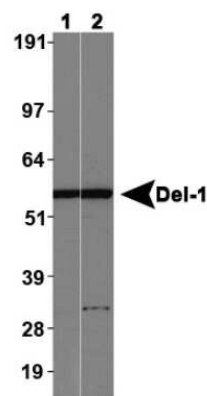
EDIL3/DEL1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.62 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Target Molecular Weight	53 kDa
Product Description	
Host	Rabbit
Gene ID	10085
Gene Symbol	EDIL3
Species	Human, Mouse
Immunogen	Synthetic peptide made to an internal portion of human Del-1 (within residues 200-350). [Swiss-Prot# O43854]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 2 ug/ml, Simple Western 1:20, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	This Del-1 antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot analysis, where a band can be seen at approx. 53 kDa. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Human Brain lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:20, apparent MW was 61 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

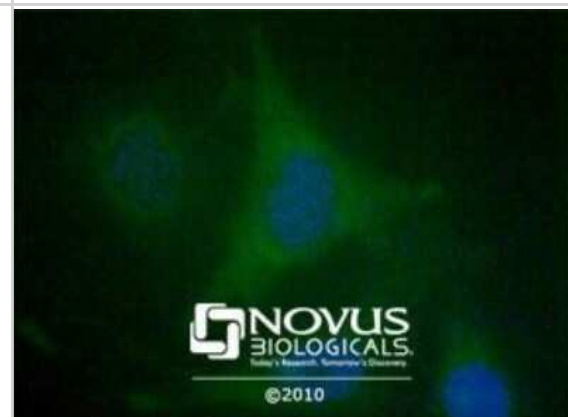


Images

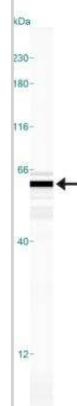
Western Blot: EDIL3/DEL1 Antibody [NBP1-28632] - Lane 1: Western blot on normal human brain, Lane 2: Western blot on normal mouse brain.



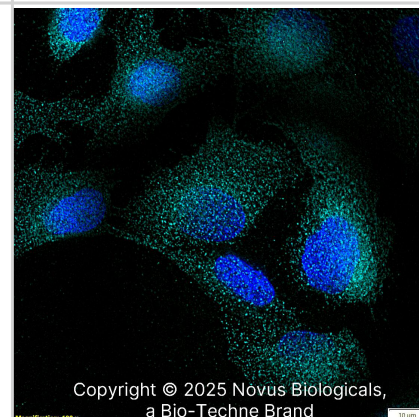
Immunocytochemistry/Immunofluorescence: EDIL3/DEL1 Antibody [NBP1-28632] - HeLa cells stained NBP1-28632 (Green) detected with DyLight Fluor 488 conjugated anti-rabbit IgG secondary antibody. Nuclei are counterstained with Hoechst 33258 (Blue).



Simple Western: EDIL3/DEL1 Antibody [NBP1-28632] - Simple Western lane view shows a specific band for EDIL3/DEL1 in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



EDIL3/DEL1 was detected in immersion fixed U-2 OS human osteosarcoma cell line using Rabbit anti-EDIL3/DEL1 Antigen Affinity Purified Polyclonal Antibody conjugated to Alexa Fluor® 647 (Catalog # NBP1-28632AF647) (light blue) at 10 µg/mL overnight at 4°C. Cells were counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.



Publications

Romanidou G, Konstantinidis TG, Natsi AM et al. Decreased Levels of Soluble Developmental Endothelial Locus-1 Are Associated with Thrombotic Microangiopathy in Pregnancy International journal of molecular sciences 2023-07-21 [PMID: 37511523] (IHC-P, Human)

Zhu C, Li Z, Li B et al. Unaltered prion disease in mice lacking developmental endothelial locus-1 (Del 1) bioRxiv 2018 Jun 16 [PMID: 30743056]

Zhu C, Li Z, Li B et al. Unaltered prion disease in mice lacking developmental endothelial locus-1 (Del 1) bioRxiv 2018 Jun 16 [PMID: 30743056]



Procedures

Protocol specific for Del-1 Antibody (NBP1-28632)

EDIL3/DEL1 Antibody:

Procedure Guide for NBP1-28632 - Del-1 Antibody

Procedure Guide for NBP1-28632 - Del-1 Antibody

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 40 ug of total protein per lane.
 2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
 3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
 4. Rinse the blot in TBS for approximately 5 minutes.
 5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
 6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 7. Dilute the rabbit anti-Del-1 primary antibody (NBP1-26832) in blocking buffer and incubate 1 hour at room temperature.
 8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
 10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
 11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.

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Products Related to NBP1-28632

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NBP1-28632PEP	EDIL3/DEL1 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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