

Product Datasheet

Dtk/TYRO3 Antibody - BSA Free NBP1-28635

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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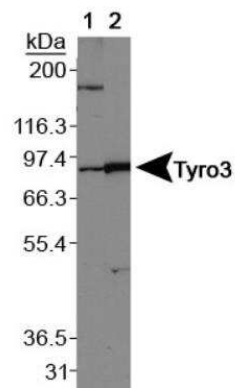
NBP1-28635

Dtk/TYRO3 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.19 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	96 kDa
Product Description	
Host	Rabbit
Gene ID	7301
Gene Symbol	TYRO3
Species	Human, Mouse
Reactivity Notes	Immunogen sequence has 94% identity to rat.
Immunogen	Synthetic peptide made to an internal portion of the human TYRO3 protein (within residues 100-250). [Swiss-Prot# Q06418]
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry reported in scientific literature (PMID 27034374), Immunocytochemistry/ Immunofluorescence 1:200, Flow (Intracellular)
Application Notes	In Western blot, a band can be seen at ~96 kDa. 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

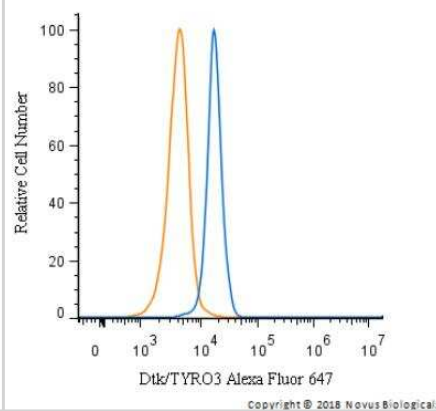
Western Blot: Dtk/TYRO3 Antibody [NBP1-28635] - Lane 1: Western blot on normal human brain, Lane 2: Western blot on normal mouse brain.



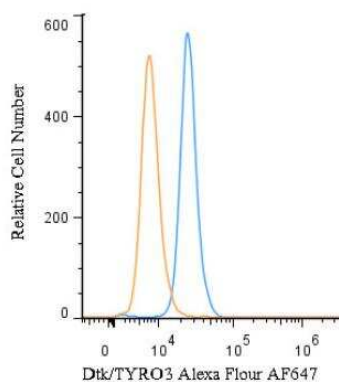
Immunocytochemistry/Immunofluorescence: Dtk/TYRO3 Antibody [NBP1-28635] - Staining of HELA cells using NBP128635 (Green) at a 1:200 dilution detected using Dylight-488 conjugated goat anti-rabbit secondary antibody. Nuclei were visualized using Hoechst 33258 (Blue).



Flow Cytometry: Dtk/TYRO3 Antibody [NBP1-28635] - An intracellular stain was performed on HeLa cells with Dtk/TYRO3 Antibody NBP1-28635AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Flow (Intracellular): Dtk/TYRO3 Antibody [NBP1-28635] - An intracellular stain was performed on U-937 cells with Dtk/TYRO3 Antibody NBP1-28635AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Publications

Spencer J. L, Lahon A, et al. Replication of Zika Virus in Human Prostate Cells: A Potential Source of Sexually Transmitted Virus. *J Infect Dis* 2018-01-30 [PMID: 28968863] (FLOW, Human)

Vogt MB, Lahon A, Arya RP, et al. Dengue viruses infect human megakaryocytes, with probable clinical consequences. *PLoS Negl Trop Dis* 2019-11-01 [PMID: 31765380] (FLOW, Mouse)

Carestia A, Mena HA, Olexen CM et al. Platelets Promote Macrophage Polarization toward Pro-inflammatory Phenotype and Increase Survival of Septic Mice *Cell Rep* 2019-07-23 [PMID: 31340152]

Chan PY, Carrera Silva EA, De Kouchkovsky D et al. The TAM family receptor tyrosine kinase TYRO3 is a negative regulator of type 2 immunity. *AAAS*. 2016-04-01 [PMID: 27034374] (FLOW, Mouse, Human)



Procedures

Protocol specific for TYRO3 Antibody (NBP1-28635)

Dtk/TYRO3 Antibody:

Procedure Guide for NBP1-28635 - Tyro3 Antibody

Procedure Guide for NBP1-28635- Tyro3 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-Tyro3 primary antibody (NBP1-26835) 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 NBP1-28635

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NBP1-28635PEP	Dtk/TYRO3 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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