

Ataxin 3 Recombinant Polyclonal Antibody (13HCLC)

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	13HCLC
Conjugate	Unconjugated
Immunogen	Protein corresponding to human Ataxin-3 (Oligo) (aa1-aa364)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2716916

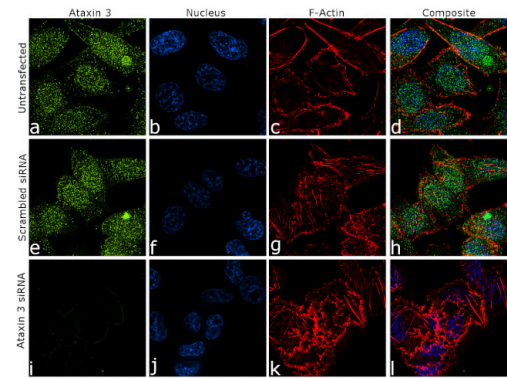
Applications	Tested Dilution	Publications
Western Blot (WB)	2.5 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	5 µg/mL	-

Product Specific Information

This antibody is predicted to react with Monkey, Horse, Dog

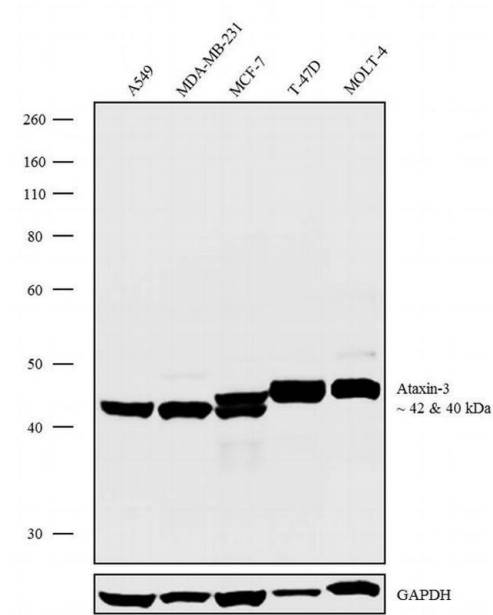
Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Ataxin 3 Recombinant Polyclonal Antibody (13HCLC)



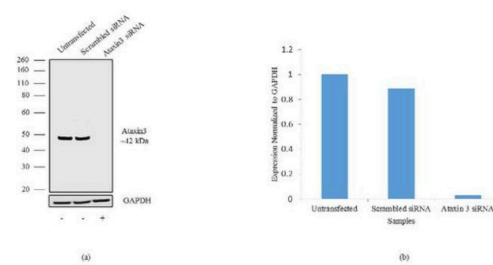
Ataxin 3 Antibody (711823)

Antibody specificity was demonstrated by siRNA-mediated knockdown of target protein. PC-3 cells were transfected with Ataxin 3 specific siRNA and decrease in signal intensity was observed in immunofluorescence application using Anti-Ataxin 3 Recombinant Rabbit Polyclonal Antibody (Product # 711823). {KD}



Ataxin 3 Antibody (711823) in WB

Western blot analysis was performed on Modified Whole cell extracts (1% SDS) (30 µg lysate) of A549 (Lane 1), MDA-MB-231 (Lane 2), MCF-7 (Lane 3), T-47D (Lane 4) and MOLT-4 (Lane 5). The blots were probed with Anti-Ataxin 3 Recombinant Rabbit Polyclonal Antibody (Product # 711823, 2.5 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg /mL, 1:4000 dilution). 42 and 40 kDa band corresponding to Ataxin-3 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex®NuPAGE®4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



Ataxin 3 Antibody (711823)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U87MG cells were transfected with Ataxin3 siRNA and decrease in signal intensity was observed in Western blot application using Anti-Ataxin 3 Recombinant Rabbit Polyclonal Antibody (Product # 711823) {KD}

View more figures on thermofisher.com

Western Blot (1)

Frontiers in cell and developmental biology	Year 2023
Plasma PolyQ-ATXN3 Levels Associate With Cerebellar Degeneration and Behavioral Abnormalities in a New AAV-Based SCA3 Mouse Model.	Species Mouse
"711823 was used in Immunohistochemistry to use adeno-associated virus (AAV) technology to develop a new mouse model of SCA3 that recapitulates several features of the human disease, including locomotor defects, cerebellar-specific neuronal loss, polyQ-expanded ATXN3 inclusions, and TDP-43 pathology."	
Authors: Jansen-West K,Todd TW,Daughrity LM,Yue M,Tong J,Carlomagno Y,Del Rosso G,Kurti A,Jones CY,Dunmore JA,Castanedes-Casey M,Dickson DW,Wszolek ZK,Fryer JD,Petrucelli L,Prudencio M	

Immunohistochemistry (1)

Frontiers in cell and developmental biology	Year 2023
Plasma PolyQ-ATXN3 Levels Associate With Cerebellar Degeneration and Behavioral Abnormalities in a New AAV-Based SCA3 Mouse Model.	Species Mouse
"711823 was used in Immunohistochemistry to use adeno-associated virus (AAV) technology to develop a new mouse model of SCA3 that recapitulates several features of the human disease, including locomotor defects, cerebellar-specific neuronal loss, polyQ-expanded ATXN3 inclusions, and TDP-43 pathology."	
Authors: Jansen-West K,Todd TW,Daughrity LM,Yue M,Tong J,Carlomagno Y,Del Rosso G,Kurti A,Jones CY,Dunmore JA,Castanedes-Casey M,Dickson DW,Wszolek ZK,Fryer JD,Petrucelli L,Prudencio M	

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.