

RNF20 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Non-human primate
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human RNF20 (aa 96-433)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 30% glycerol, 0.1% BSA
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_2607444

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	1 µg/mL	-

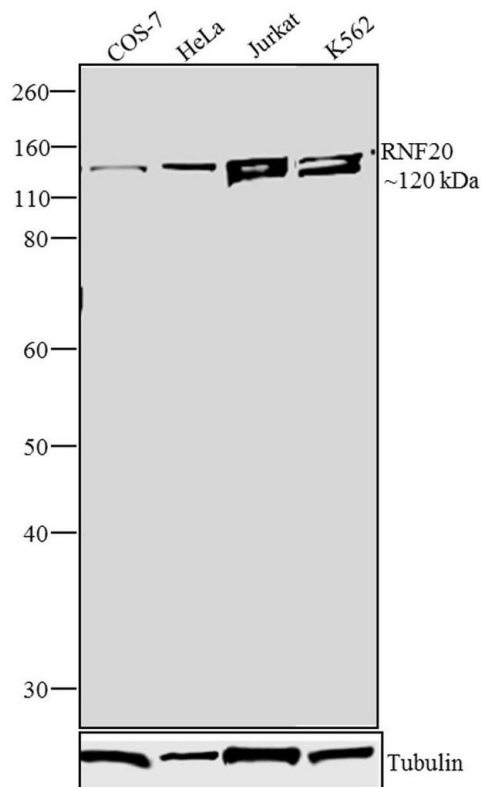
Product Specific Information

These Polyclonal antibodies are of rabbit origin developed by immunizing animals with proteins or peptides. The polyclonal antibody is purified by affinity purification from the rabbit sera generated after immunizing the rabbits with a specific type of protein or peptide. The purified antibody is tested for its functionality in various relevant research applications. The antibody is developed for Research Use Only and is non-hazardous or non-infectious in nature.

Product Images For RNF20 Polyclonal Antibody

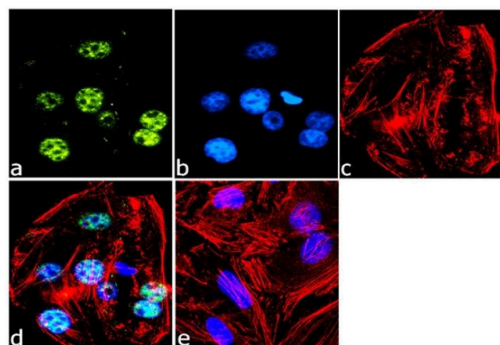
RNF20 Antibody (720146) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of COS-7 (Lane 1), HeLa (Lane 2), Jurkat (Lane 3) and K-562 (Lane 4). The blots were probed with Anti- RNF20 Rabbit Polyclonal Antibody (Product # 720146, 0.5-1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 120 kDa band and an additional isoform at 72 kDa corresponding to RNF-20 was observed in 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).



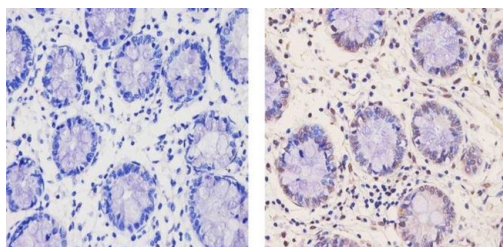
RNF20 Antibody (720146) in ICC/IF

Immunofluorescence was performed on fixed and permeabilized HeLa cells for detection of RNF20 using Anti-RNF20 Rabbit Polyclonal Antibody (Product # 720146, 1 µg/mL), alpha-Tubulin was detected using Anti-alpha Tubulin Monoclonal Antibody (Product # 32-2500, 1 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000), Goat anti-Mouse IgG Secondary Antibody, Alexa Fluor® 594 conjugate (Product # A-11032, 1:400) respectively. Panel a) shows representative cells that were stained for detection and localization of RNF20 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938,). Panel c) represents cytoskeletal alpha-tubulin staining (red). Panel d) is a composite image of Panels a, b and c clearly demonstrating Nuclear localization of RNF-20. Panel e) represents control cells with no primary Antibody to assess background.



RNF20 Antibody (720146) in IHC (P)

Immunohistochemistry analysis of RNF20 showing staining in nucleus of paraffin-embedded human colon tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a RNF20 Rabbit Polyclonal Antibody (Product # 720146) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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.