



TBC1D22A Polyclonal Antibody

Catalog Number PA5-32019

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 11 and 315 of Human TBC1D22A	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: A431, HeLa, HepG2. Predicted reactivity: Mouse (85%), Bovine (82%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

TBC1D22A (TBC1 domain family, member 22A), also known as C22orf4, is a 517 amino acid protein that contains one Rab-GAP TBC domain and is thought to function as a GTPase-activating protein for Rab family members. Multiple isoforms of TBC1D22A exist due to alternative splicing events. The gene encoding TBC1D22A maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, neurofibromatosis type 2, autism and schizophrenia. Additionally, translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia chromosome and the subsequent production of the novel fusion protein BCR-Abl, a potent cell proliferation activator found in several types of leukemias.

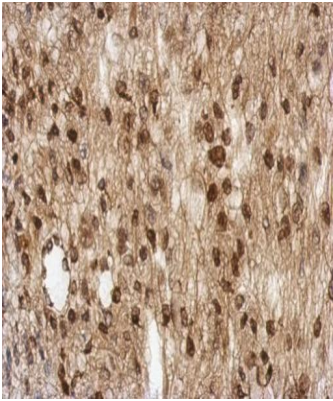
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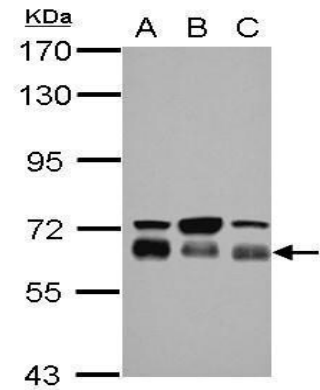
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Product Images For TBC1D22A Polyclonal Antibody



TBC1D22A Antibody (PA5-32019) in IHC (P)

Immunohistochemical analysis of paraffin-embedded U373 xenograft, using TBC1D22A (Product # PA5-32019) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



TBC1D22A Antibody (PA5-32019) in WB

Western Blot using TBC1D22A Polyclonal Antibody (Product # PA5-32019). Sample (30 µg of whole cell lysate). Lane A: A431. Lane B: HeLa. Lane C: HepG2 . 7.5% SDS PAGE. TBC1D22A Polyclonal Antibody (Product # PA5-32019) diluted at 1:1,000.

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