

ARAP2 Polyclonal Antibody

Catalog NumberPA5-23326

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	A portion of amino acids 1670-1704 of human ARAP2	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1.0-2 µg/mL
Form	Liquid	* 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.	
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS with 0.05% BSA		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

ARAP2 also known as Centaurin-delta-1 is a protein with ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology domains. A phosphatidylinositol-3, 4, 5-trisphosphate-dependent GTPase-activating protein, ARAP2, binds to RhoA-GTP, but lacks the predicted catalytic arginine in the RHO-GAP domain and does not have RHO-GAP activity. It modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Usually ARAP2 is activated by phosphatidylinositol-3, 4, 5-trisphosphate (PtdIns(3, 4, 5)P3) binding and can be activated by phosphatidylinositol-3, 4-bisphosphate (PtdIns(3, 4, 5)P2) binding, albeit with lower efficiency. ARAP2 associates with focal adhesions and functions downstream of RhoA to regulate focal adhesion dynamics. It is usually detected in brain, thymus, lymph node, thyroid, spinal cord, trachea, heart, skeletal muscle, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes.

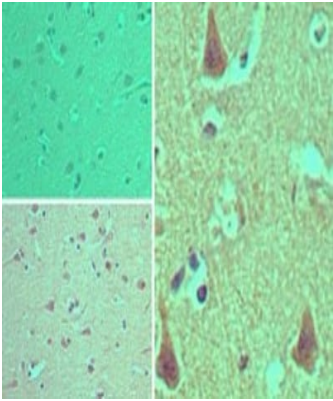
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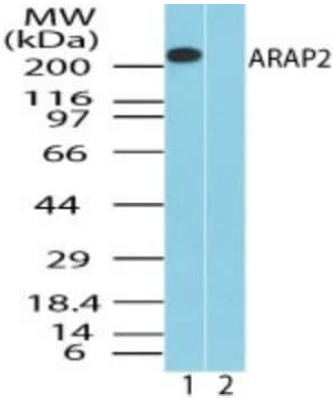
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Product Images For ARAP2 Polyclonal Antibody



ARAP2 Antibody (PA5-23326) in IHC (P)

Immunohistochemical analysis of ARAP2 in human brain tissue. Samples were incubated in ARAP2 polyclonal antibody (Product # PA5-23326) using a dilution of 5 µg/mL. Isotype control (top left) and this antibody (bottom left, right).



ARAP2 Antibody (PA5-23326) in WB

Western blot analysis of ARAP2 in human kidney lysate in the 1) absence and 2) presence of immunizing peptide. Samples were incubated in ARAP2 polyclonal antibody (Product # PA5-23326) using a dilution of 1.0 µg/mL followed by a goat anti-rabbit Ig HRP secondary antibody. PicoTect ECL substrate solution was used for this test.

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