

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5556

DESCRIPTION

Species Reactivity	Human	
Specificity	Detects human α-Parvin in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human β-Parvir is observed.	
Source	Polyclonal Sheep IgG	
Purification	Antigen Affinity-purified	
Immunogen	<i>E. coli-</i> derived recombinant human α-Parvin Val46-Phe133 Accession # Q9NVD7	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.			
	Recommended Concentration	Sample	
Western Blot	1 μg/mL	See Below	

DATA

Western Blot				
Bug Bug <td>Detection of Human α-Parvin by Western Blot. Western blot shows lysates of HUVEC human umbilical vein endothelial cells and human tonsil tissue. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human α-Parvin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5556) followed by HRP- conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for α-Parvin at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.</td>	Detection of Human α-Parvin by Western Blot. Western blot shows lysates of HUVEC human umbilical vein endothelial cells and human tonsil tissue. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human α-Parvin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5556) followed by HRP- conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for α-Parvin at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.			

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months -20 to -70 °C under sterile conditions after reconstitution. 	

BACKGROUND

 α -Parvin (parvus [Latin for "small"]-A/ α ; also actopaxin and PARV-A) is a 53 kDa member of the parvin family, α -actinin superfamily of proteins. It is widely expressed, and participates in actin filament assembly that precedes cell migration. Human PARVA is 372 amino acids (aa) in length. It contains two CH/calponin homology domains (aa 99-202 and 265-369), two NLSs (aa 19-26 and 38-40), and a recently identified paxillin binding sequence (aa 248-256). Multiple phosphorylation sites occur between Ser4 and Thr16 that are apparently utilized. PARVA is likely to exist as a dimer. There are three isoform variants of PARVA. All three contain an alternate start site at Met41, with one also showing a 21 aa substitution for aa 239-372, and a second also showing a 46 aa substitution for aa 134-372, respectively. Over aa 46-133, human and mouse PARVA share 95% aa identity.

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