

Human APBA3 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5689

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human APBA3 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) X11-α and rhX11-β is observed.	
Source	Polyclonal Sheep IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human APBA3 Met1-Leu138 Accession # O96018	
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		

Western Blot | Detection of Human APBA3 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Human APBA3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5689) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for APBA3 at approximately 96 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

X11-γ (Adaptor protein X11 gamma; also APBA3, Mint3 and X11L2) is a member of the X11 family of adaptor proteins. Unlike X11α and -β which are generally neuronal proteins, X11-γ is widely expressed in all tissues. X11-γ has many functions, including MT-MMP and Furin intracellular trafficking and APP binding. Human X11-γ is 575 amino acids (aa) in length. It contains a poly-Ser segment (aa 165-171), a PID region (aa 217-381) that binds β-amyloid precursor, and two PDZ domains (aa 393-478 and 485-560) that bind Arf GTPases. There is one potential splice variant that shows a 34 aa insertion after Ile505. Over aa 1-138, human X11-γ shares 62% aa identity with mouse X11-γ.

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