

For Research Use Only

XKR4 Polyclonal antibody

Catalog Number: 32981-1-AP



Basic Information

Catalog Number: 32981-1-AP	GenBank Accession Number: NM_052898	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 114786	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q5GH76	
Isotype: IgG	Full Name: XK, Kell blood group complex subunit-related family, member 4	
Immunogen Catalog Number: AG38049	Calculated MW: 650aa, 72 kDa	
	Observed MW: 71 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB: A549 cells, mouse cerebellum tissue, rat small intestine tissue

Background Information

XKR4 (XK-related protein 4) is a protein-coding gene located on human chromosome 8q12.2 that belongs to the XK family of membrane transporters. The encoded protein is predicted to function as a membrane transporter involved in the translocation of phospholipids and other substrates, though its precise physiological role remains incompletely characterized. XKR4 is widely expressed, with highest levels detected in the brain, testis, and adipose tissues. Genetic variants in XKR4 have been robustly associated with body weight regulation, obesity risk, and fat distribution in genome-wide association studies, and it has also been implicated in satiety signaling and feeding behavior. Additionally, mutations in this gene have been linked to altered adipogenesis and energy homeostasis, making it a relevant target for metabolic research.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

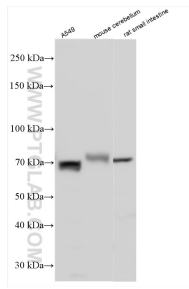
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32981-1-AP (XKR4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.