

For Research Use Only

XKR4 Polyclonal antibody, PBS Only

Catalog Number:32981-1-PBS



Basic Information

Catalog Number:

32981-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38049

GenBank Accession Number:

NM_052898

GeneID (NCBI):

114786

UNIPROT ID:

Q5GH76

Full Name:

XK, Kell blood group complex subunit-related family, member 4

Calculated MW:

650aa, 72 kDa

Observed MW:

71 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

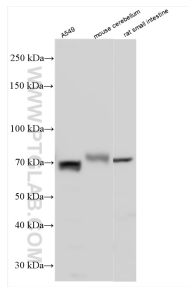
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 32981-1-PBS in a different storage buffer formulation.