# XKR4 Antibody

**PACO20940**

## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:2000-1:5000, IHC:1:20-1:100

**Protein Background:**

Required for the function of light chain amino-acid, transporters. Involved in sodium-independent, high-affinity transport of large neutral amino acid, such as phenylalanine, tyrosine, leucine, arginine and tryptophan. Involved in guiding and targeting of LAT1 and LAT2 to the plasma membrane. When associated with SLC7A6 or SLC7A7 acts as an arginine/glutamine exchanger, following an antiport mechanism for amino acid, transport, influencing arginine release in exchange for extracellular amino acid, . Plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. Required for normal and neoplastic cell growth. When associated with SLC7A5/LAT1, is also involved in the transport of L-DOPA across the blood-brain barrier, and that of thyroid hormones triiodothyronine (T3) and thyroxine (T4) across the cell membrane in tissues such as placenta.

**Gene ID:**

XKR4

**Uniprot**

Q5GH76

**Synonyms:**

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

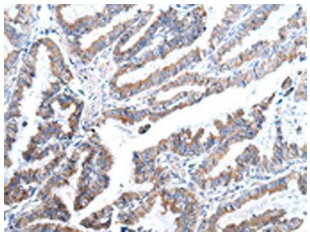
**Immunogen:**

Synthetic peptide of human XKR4.

**Storage:**

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

## Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PACO20940(XKR4 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x—200).