

## IRK14 Polyclonal Antibody

<b>Catalog No :</b>	YN0491
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	IRK14
<b>Fields :</b>	>>Cholinergic synapse;>>Oxytocin signaling pathway
<b>Gene Name :</b>	KCNJ14 IRK4
<b>Protein Name :</b>	ATP-sensitive inward rectifier potassium channel 14 (Inward rectifier K(+) channel Kir2.4) (IRK-4) (Potassium channel, inwardly rectifying subfamily J member 14)
<b>Human Gene Id :</b>	3770
<b>Human Swiss Prot No :</b>	Q9UNX9
<b>Mouse Swiss Prot No :</b>	Q8JZN3
<b>Rat Swiss Prot No :</b>	O70596
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 350-430
<b>Specificity :</b>	IRK14 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 47kD

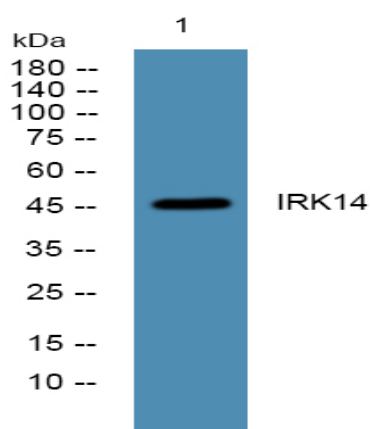
**Background :** Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel, and probably has a role in controlling the excitability of motor neurons. [provided by RefSeq, Feb 2013],

**Function :** function: Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. KCNJ14 gives rise to low-conductance channels with a low affinity to the channel blockers Barium and Cesium., similarity: Belongs to the inward rectifier-type potassium channel family., tissue specificity: Expressed preferentially in retina.,

**Subcellular Location :** Membrane; Multi-pass membrane protein.

**Expression :** Expressed preferentially in retina.

## Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°C over night