

# Immunotag™ TWIK-1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4786
Product Description	Immunotag™ TWIK-1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TWIK-1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Rat
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNK1. AA range:287-336
Specificity	TWIK-1 Polyclonal Antibody detects endogenous levels of TWIK-1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	KCNK1
Accession No.	O00180 O08581 Q9Z2T2
Alternate Names	KCNK1; HOHO1; KCNO1; TWIK1; Potassium channel subfamily K member 1; Inward rectifying potassium channel protein TWIK-1; Potassium channel KCNO1

## Antibody Specification

Description	potassium two pore domain channel subfamily K member 1(KCNK1) Homo sapiens This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity. [provided by RefSeq, Jul 2008],
Protein Expression	Brain,Kidney,
Subcellular Localization	endosome,plasma membrane,integral component of plasma membrane,voltage-gated potassium channel complex,integral component of membrane,cytoplasmic, membrane-bounded vesicle,apical plasma membrane,cell junction,dendrite,
Protein Function	function:Weakly inward rectifying potassium channel.,miscellaneous:Inhibited by barium, quinine, quinidine and internal acidification. Activated by protein kinase C.,similarity:Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.,subunit:Homodimer .,tissue specificity:Widely expressed with high levels in heart and brain and lower levels in placenta, lung, liver and kidney.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.