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Immunotag™ TWIK-2 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT4787
Product Description	Immunotag™ TWIK-2 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-2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from TWIK-2 . at AA range: 240-320
Specificity	TWIK-2 Polyclonal Antibody detects endogenous levels of TWIK-2 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	KCNK6
Accession No.	Q9Y257
Alternate Names	KCNK6; TOSS; TWIK2; Potassium channel subfamily K member 6; Inward rectifying potassium channel protein TWIK-2; TWIK-originated similarity sequence

Antibody Specification

Description	potassium two pore domain channel subfamily K member 6(KCNK6) Homo sapiens This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. This channel protein, considered an open rectifier, is widely expressed. It is stimulated by arachidonic acid, and inhibited by internal acidification and volatile anaesthetics. [provided by RefSeq, Jul 2008],
Protein Expression	Brain,Breast,Coronary artery,Pancreas,Testis,
Subcellular Localization	plasma membrane,voltage-gated potassium channel complex,integral component of membrane,
Protein Function	function:Exhibits outward rectification in a physiological K(+) gradient and mild inward rectification in symmetrical K(+) conditions.,miscellaneous:Inhibited by internal acidification and, to a small degree, by zinc. Not inhibited by quinine, quinidine or barium.,similarity:Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.,subunit:Homodimer .,tissue specificity:Widespread expression, detected in all tissues tested except for skeletal muscle. Strongest expression in placenta, pancreas, heart, colon and spleen, lower levels detected in peripheral blood leukocytes, lung, liver, kidney and thymus. Lowest expression detected in brain.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.