

Rabbit anti-Human KCNT1 Polyclonal Antibody | anti-KCNT1 antibody

KCNT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234462	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

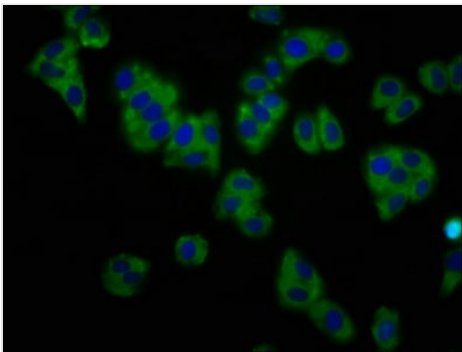
PRODUCT SYNONYMS

KCNT1; Polyclonal Antibody; KCNT1 Antibody; Potassium channel subfamily T member 1; KCa4.1; KIAA1422; anti-KCNT1 antibody

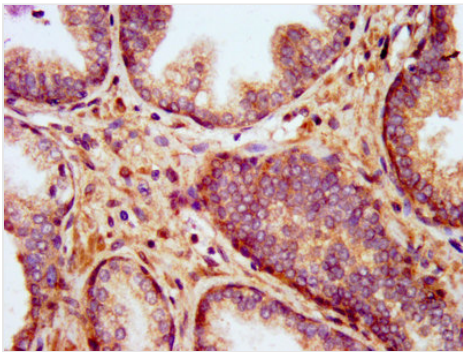
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1211
Applicable Applications for anti-KCNT1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Potassium channel subfamily T member 1 protein (1026-1230AA)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	KCNT1
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of HepG2 cells with AAA234462 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)
IHC image of AAA234462 diluted at 1:400 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNT1 antibody	Outwardly rectifying potassium channel subunit that may coassemble with other Slo-type channel subunits. Activated by high intracellular sodium or chloride levels. Activated upon stimulation of G-protein coupled receptors, such as CHRM1 and GRIA1. May be regulated by calcium in the absence of sodium ions (in vitro) (By similarity).
Product Categories/Family for anti-KCNT1 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	432134244
NCBI GeneID	57582
NCBI Accession #	NP_001258932.1
NCBI GenBank Nucleotide #	NM_001272003.1
UniProt Accession #	Q5JUK3; Q9P2C5; B3KXF7; B7ZVY4; B9EGP2; G5E9V0
NCBI Official Full Name	potassium channel subfamily T member 1 isoform 2
NCBI Official Synonym Full Names	potassium sodium-activated channel subfamily T member 1
NCBI Official Symbol	KCNT1
NCBI Official Synonym Symbols	ENFL5; SLACK; EIEE14; KCa4.1; Slo2.2; bA100C15.2
NCBI Protein Information	potassium channel subfamily T member 1
UniProt Protein Name	Potassium channel subfamily T member 1
UniProt Gene Name	KCNT1
UniProt Synonym Gene Names	KIAA1422

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.