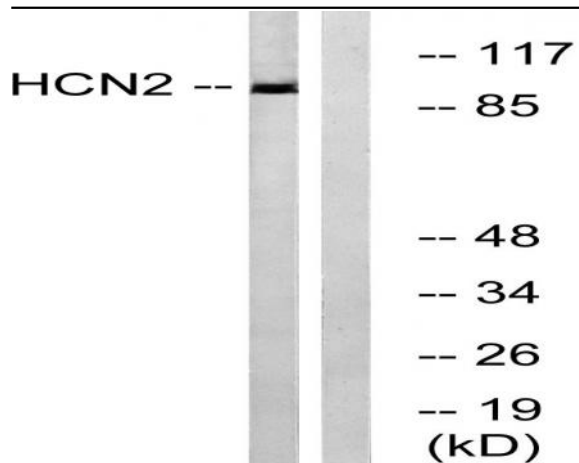


HCN2 Polyclonal Antibody

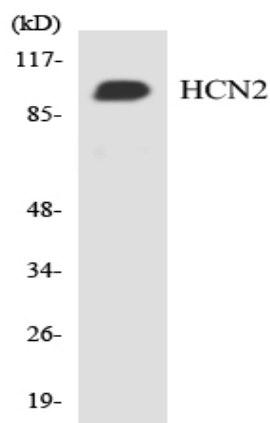
Catalog No :	YT2111
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	HCN2
Fields :	>>cAMP signaling pathway;>>GnRH secretion
Gene Name :	HCN2
Protein Name :	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2
Human Gene Id :	610
Human Swiss Prot No :	Q9UL51
Mouse Gene Id :	15166
Mouse Swiss Prot No :	O88703
Rat Gene Id :	114244
Rat Swiss Prot No :	Q9JKA9
Immunogen :	The antiserum was produced against synthesized peptide derived from human HCN2. AA range:491-540
Specificity :	HCN2 Polyclonal Antibody detects endogenous levels of HCN2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kD
Background :	Hyperpolarization-activated cation channels of the HCN gene family, such as HCN2, contribute to spontaneous rhythmic activity in both heart and brain.[supplied by OMIM, Jul 2010],
Function :	domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,function:Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). Produces a large instantaneous current. Activated by cAMP. Modulated by intracellular chloride ions and pH; acidic pH shifts the activation to more negative voltages.,miscellaneous:Inhibited by extracellular cesium ions.,similarity:Belongs to the potassium channel HCN family.,similarity:Contains 1 cyclic nucleotide-binding domain.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming subunits. Heteromultimer with HCN1. Interacts with KCNE2.,tissue specificity:Highly expressed throughout the brain. Detected at
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Highly expressed throughout the brain. Detected at low levels in heart.
Sort :	7273
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

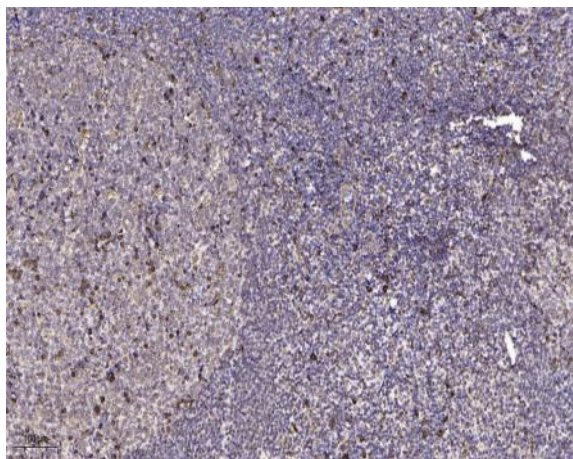
Products Images



Western blot analysis of lysates from Jurkat cells, using HCN2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using HCN2 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).