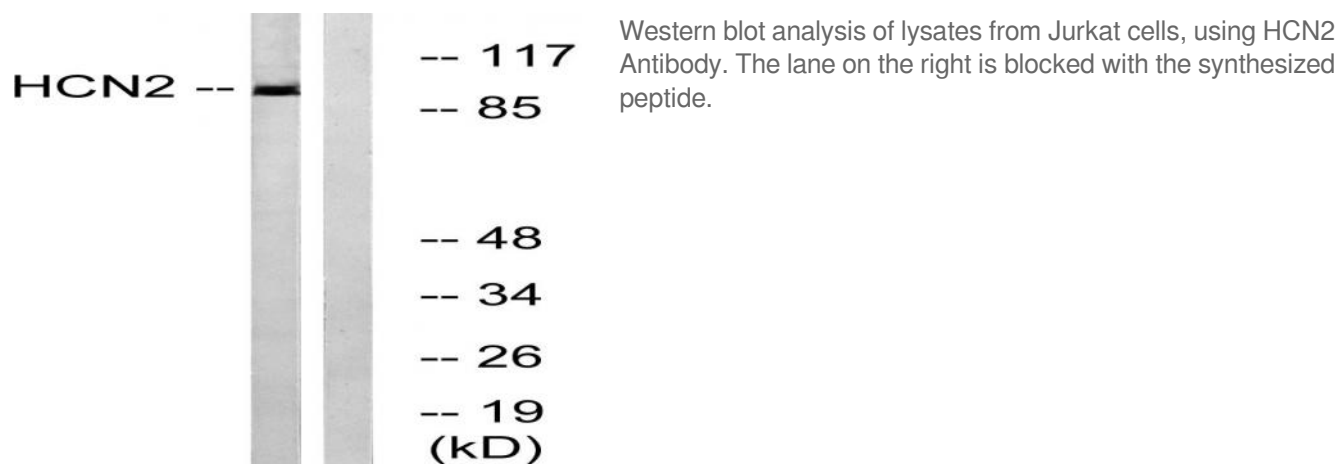


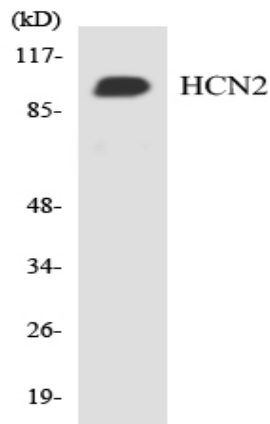
HCN2 Polyclonal Antibody

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

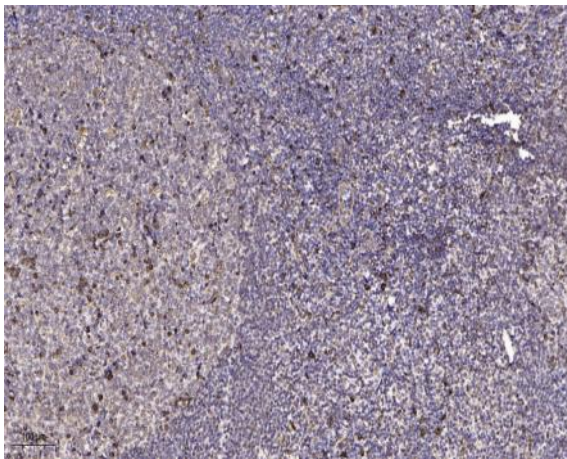
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	100kD
Background :	Hyperpolarization-activated cation channels of the HCN gene family, such as HCN2, contribute to spontaneous rhythmic activity in both heart and brain.[supplied by OMIM, Jul 2010],
Function :	<p>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</p>
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Highly expressed throughout the brain. Detected at low levels in heart.

Products Images





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).