Best Tools for immunology Research

Kv11.3 Polyclonal Antibody

Catalog No :	YN5527
Reactivity :	Human;Rat;Mouse
Applications :	WB;IHC;IF
Target :	Kv11.3
Gene Name :	KCNH7
Protein Name :	Potassium voltage-gated channel subfamily H member 7 (Ether-a-go-go-related gene potassium channel 3) (ERG-3) (Eag-related protein 3) (Ether-a-go-go-related protein 3) (hERG-3) (Voltage-gated potassiu
Human Gene Id :	90134
Human Swiss Prot No :	Q9NS40
Mouse Swiss Prot No :	Q9ER47
Rat Swiss Prot No :	O54852
Immunogen :	Synthetic Peptide of Kv11.3. AA range 1130-1180
Specificity :	Kv11.3 protein(A263) detects endogenous levels of Kv11.3
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000, IHC 1:100-200. 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 : 83135kD

Background : Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. There are at least two alternatively spliced transcript variants derived from this gene and encoding distinct isoforms. [provided by RefSeq, Jul 2008],

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:Pore-forming (alpha) subunit of voltage-gated potassium channel. Channel properties may be modulated by cAMP and subunit assembly.,similarity:Belongs to the potassium channel family. H (Eag) subfamily.,similarity:Contains 1 cyclic nucleotide-binding domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 1 PAS (PER-ARNT-SIM) domain.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming alpha subunits that can associate with modulating beta subunits. Heteromultimer with KCNH2/ERG1 and KCNH6/ERG2.,tissue specificity:Expressed in prolactin-secreting adenomas.,

Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Expressed in prolactin-secreting adenomas.

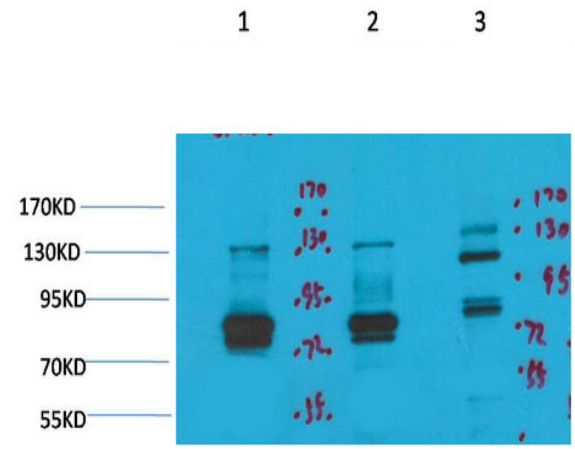
Sort : 17569

No4 : 1

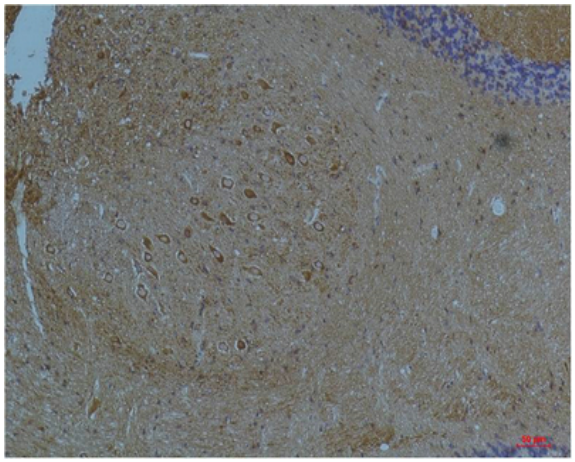
Host : Rabbit

Modifications : Unmodified

Products Images



Western blot analysis of 1) Rat Brain Tissue, 2)Mouse Brain Tissue, 3) Hela with KV11.3 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kv11.3 Rabbit pAb diluted at 1:200.