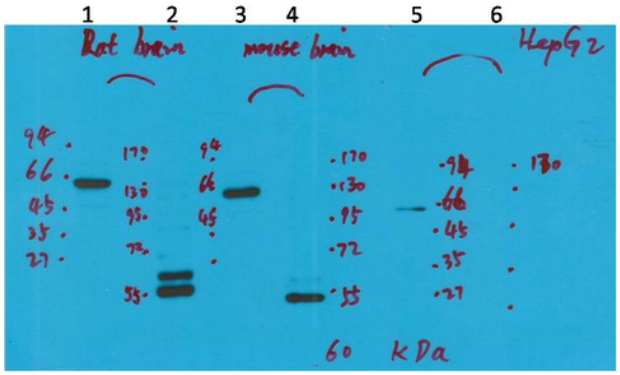
Kv10.2 Polyclonal Antibody

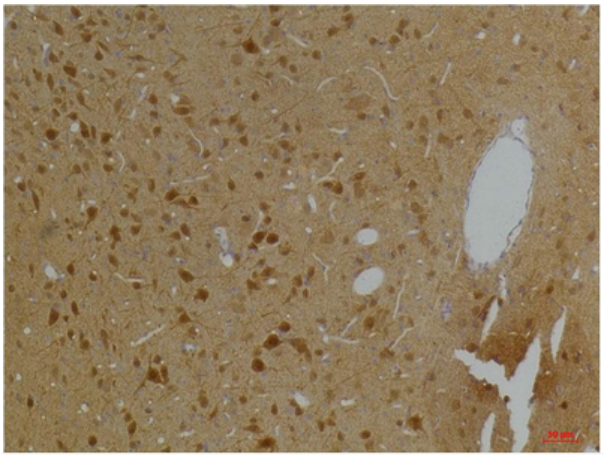
Catalog No	BYab-01198
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;IHC;IF
Gene Name	KCNH5
Protein Name	Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2) (hEAG2) (Voltage-gated potassium channel subunit Kv10.2)
Immunogen	Synthetic Peptide of Kv10.2 AA range: 264-314
Specificity	Kv10.2 protein(A260) detects endogenous levels of Kv10.2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000, IHC 1:100-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2;hEAG2;Voltage-gated potassium channel subunit Kv10.2)
Observed Band	60kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Detected in brain, skeletal muscle, heart, placenta, lung and liver, and at low levels in kidney.
Function	alternative products:Experimental confirmation may be lacking for some isoforms,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. Elicits a non-inactivating outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.,sequence caution:Translated as Gly.,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 KCNH1/EAG.,tiss
Background	This gene encodes a member of voltage-gated potassium channels. Members of this family have diverse functions, including regulating neurotransmitter and hormone release, cardiac function, and cell volume. This protein is an outward-rectifying, noninactivating channel. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

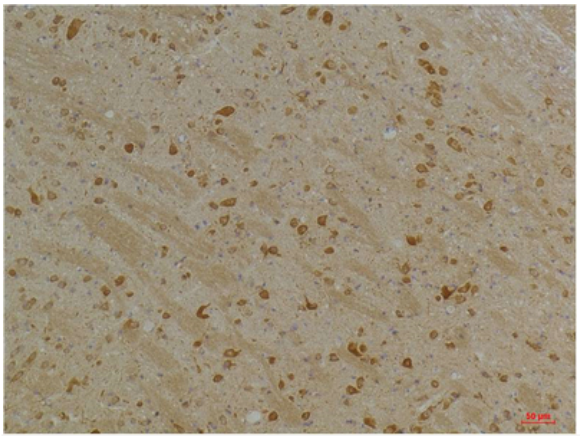
Products Images



Western blot analysis of 1) Rat Brain Tissue-Low Molecular Protein Marker, 2)Rat Brain Tissue-High Molecular Protein Marker, 3) Mouse Brain Tissue-Low Molecular Protein Marker, 4) Mouse Brain Tissue- High Molecular Protein Marker, 5) HepG2-Low Molecular P



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.