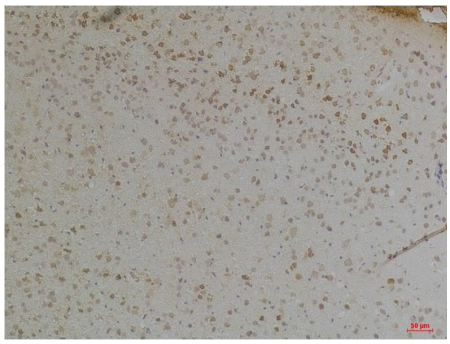
ELK Biotechnology

KChIP1 Rabbit pAb
Catalog NO.: EA304
For research use only.

Overview

Product name	KChIP1 Rabbit polyclonal antibody
Source	Rabbit
Applications	**IHC**
Species reactivity	**Human, Mouse**
Recommended dilutions	**Immunohistochemistry:1/100-200** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	**30kDa**
GeneID（Human）	30820
Human Swiss-Prot No.	Q9NZI2
Cellular localization	Cell membrane, Cell projection, Cytoplasm, Membrane
Alternative Names	KCNIP1,MGC9,MGC95,A type potassium channel modulatory protein 1
Background	Human K(v) channel interacting protein 1 (KCHIP1) is a new member of the neural calcium binding protein superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. KChIP1 is a neuronal calcium sensor protein that is predominantly expressed at GABAergic synapses and it has been related

with modulation of K(+) channels, GABAergic transmission and cell death.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using KChIP1 (EA304） Rabbit pAb diluted at 1:200.