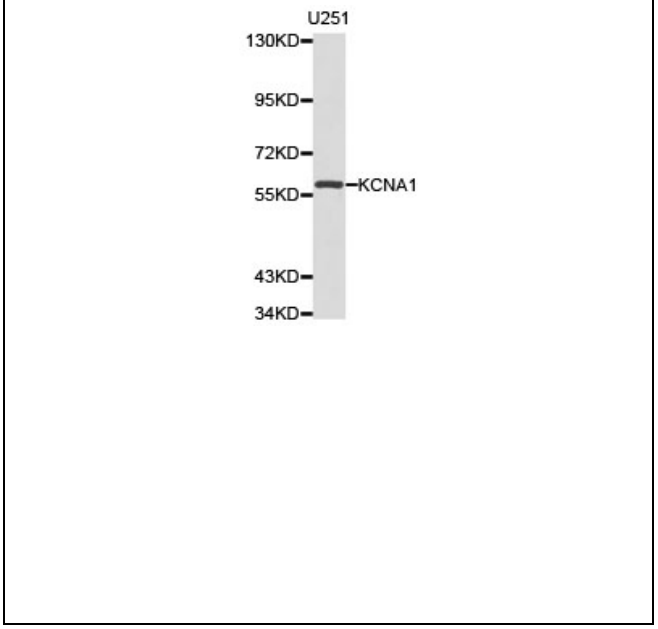
# KCNA1 Polyclonal Antibody

E92992

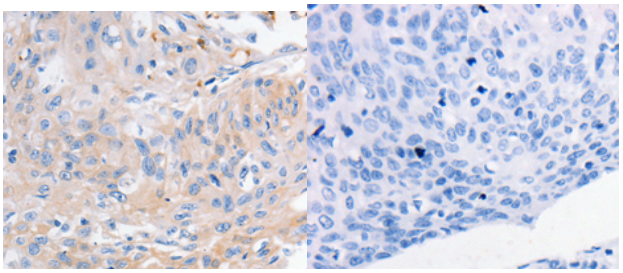
**Catalog Number:** E92992
**Amount:** 100ul
**Background:** This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK).
**Species:** Rabbit
**Isotype:** IgG
**Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
**Synonyms:** EA1; MK1; AEMK; HBK1; HUK1; MBK1; RBK1; KV1.1
**Immunogen:** A synthetic peptide of human KCNA1
**Purification:** Affinity purification
**Reactivity:** H M R
**Applications:** WB IHC
**Molecular Weight:** 56kDa
**Swiss-Prot No. :** Q09470
**Gene ID:** 3736

WB 1:500 - 1:2000
IHC 1:50- 1:100




**For Research Use Only**

Western blot analysis of extracts of U251cell line,using KCNA1antibody.



Immunohistochemistryof paraffin-embeddedHuman cervical cancer tissue usingKCNA1antibody.