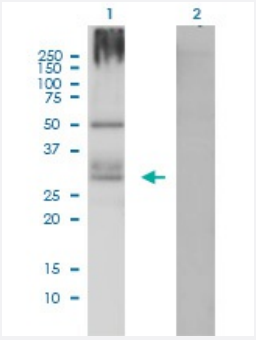
DNAxPAb | Hard-to-Find Antibody

# KCNQ2 DNAxPab

Catalog # H00003785-W01P Size 100 ug

## Applications




### Western Blot (Transfected lysate)

Western Blot analysis of KCNQ2 expression in transfected 293T cell line by KCNQ2 DNAxPab polyclonal antibody.

Lane 1: KCNQ2 transfected lysate(31.13 KDa).
Lane 2: Non-transfected lysate.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a partial-length human KCNQ2 DNA using DNAx™ Immune technology. |
| **Technology** | DNAx™ Immune |
| **Immunogen** | KCNQ2 (NP_742107.1, 1 a.a. ~ 91 a.a.) partial-length human DNA |
| **Sequence** | MVQKSRNGGVYPGPSGEKKLKVGFVGLDPGAPDSTRDGALLIAGSEAPKRGSILSKPRAGGAGA GKPPKRNAFYRKLQNFLYNVLERPRGW |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Purification** | Protein A |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | In 1x PBS, pH 7.4 |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of KCNQ2 expression in transfected 293T cell line by KCNQ2 DNAxPab polyclonal antibody.

  Lane 1: KCNQ2 transfected lysate(31.13 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — KCNQ2

| | |
|---|---|
| **Entrez GeneID** | 3785 |
| **GeneBank Accession#** | NM_172109.1 |
| **Protein Accession#** | NP_742107.1 |
| **Gene Name** | KCNQ2 |
| **Gene Alias** | BFNC, EBN, EBN1, ENB1, HNSPC, KCNA11, KV7.2, KVEBN1 |
| **Gene Description** | potassium voltage-gated channel, KQT-like subfamily, member 2 |
| **Omim ID** | 121200 602235 606437 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene. [provided by RefSeq |
| **Other Designations** | neuroblastoma-specific potassium channel protein\|potassium voltage-gated channel KQT-like protein 2 |

## Disease

- Epilepsy
- Genetic Predisposition to Disease
- Syndrome