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Datasheet for ABIN527924  
**anti-KCNQ5 antibody (AA 833-932)**

3 Images

Overview

Quantity:	100 µg
Target:	KCNQ5
Binding Specificity:	AA 833-932
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNQ5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant KCNQ5.
Immunogen:	KCNQ5 (NP_062816, 833 a.a. ~ 932 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	QNLIRSTEEL NIQLSGSESS GSRGSQDFYP KWRESKLFIT DEEVGPEETE TDTFDAAPQP AREAAFASDS LRTGRSRSSQ SICKAGESTD ALSLPHVKLK
Clone:	2E2
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

Target:	KCNQ5
Alternative Name:	KCNQ5 ( <a href="#">KCNQ5 Products</a> )
Background:	Full Gene Name: potassium voltage-gated channel, KQT-like subfamily, member 5 Synonyms: Kv7.5
Gene ID:	56479
NCBI Accession:	<a href="#">NM_019842</a>

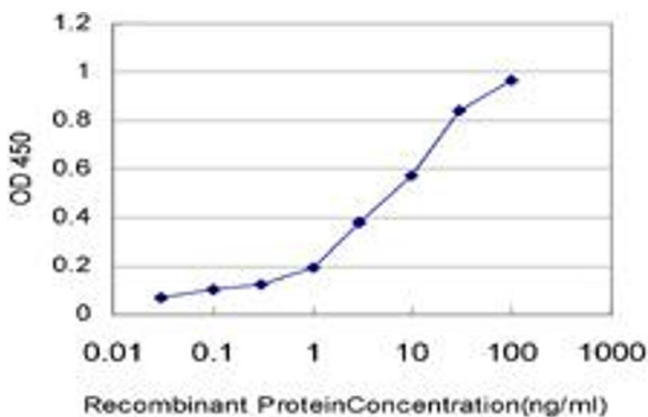
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

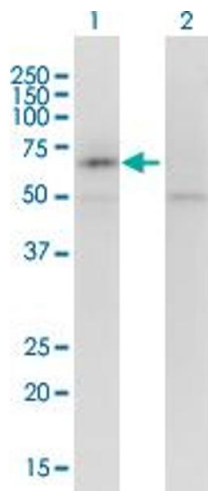
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images



### ELISA

**Image 1.** Detection limit for recombinant GST tagged KCNQ5 is approximately 0.1ng/ml as a capture antibody.

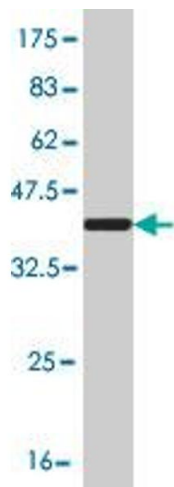


### Western Blotting

**Image 2.** Western Blot analysis of KCNQ5 expression in transfected 293T cell line by KCNQ5 monoclonal antibody (M01), clone 2E2.

Lane 1: KCNQ5 transfected lysate (Predicted MW: 46.9 KDa).

Lane 2: Non-transfected lysate.



### Western Blotting

**Image 3.** Western Blot detection against Immunogen (36.74 KDa).