

Datasheet for ABIN7259965

anti-GRIK2 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	GRIK2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human GRIK2 (NP_068775.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	GRIK2
Alternative Name:	GRIK2 (GRIK2 Products)
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is

Target Details

subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive mental retardation.

Molecular Weight: Observed_MW: 115 kDa
Calculated_MW: 66 kDa/77 kDa/93 kDa/97 kDa/100 kDa/102 kDa

Gene ID: 2898

UniProt: [Q13002](#)

Pathways: [Synaptic Membrane](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: WB 1:500-1:2000 IF 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

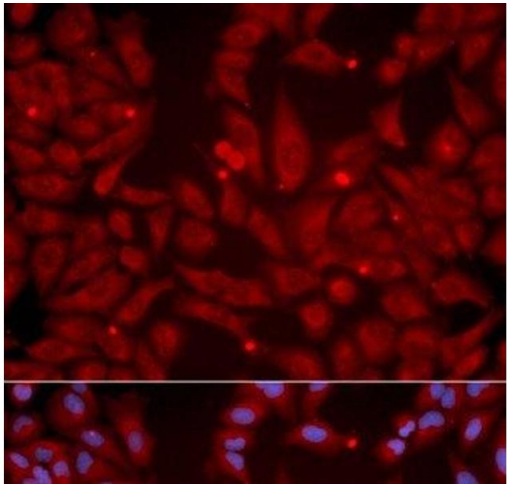
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

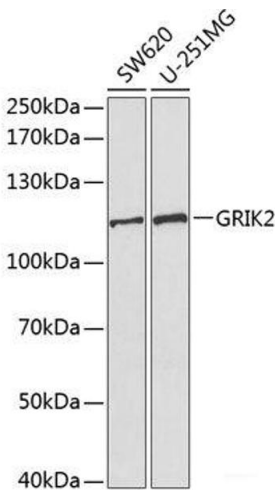
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using GRIK2 Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using GRIK2 Polyclonal Antibody at dilution of 1:1000.