

## CNGA1 Antibody

Catalog No: #34577

Package Size: #34577-1 50ul #34577-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

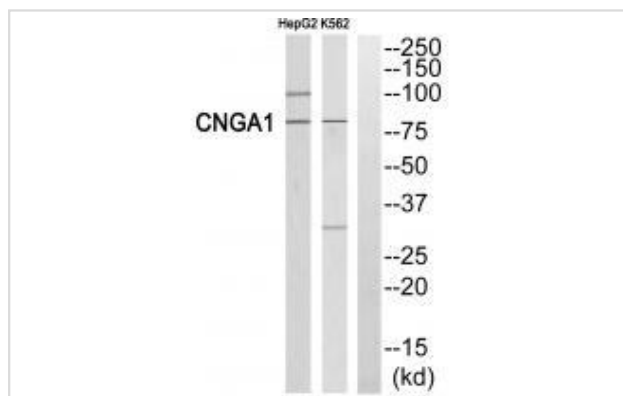
## Description

Product Name	CNGA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CNGA1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CNGA1.
Target Name	CNGA1
Other Names	cGMP-gated cation channel alpha 1; CNCG; CNCG1; CNG channel alpha 1; CNG-1
Accession No.	Swiss-Prot: P29973NCBI Gene ID: 1259
Uniprot	P29973
GeneID	1259;
SDS-PAGE MW	79kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from HepG2 cells and K562 cells, using CNGA1 antibody #34577.

## Background

---

Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors.

Pittler S.J., J. Biol. Chem. 267:6257-6262(1992).

Dhallan R.S., J. Neurosci. 12:3248-3256(1992).

Ota T., Nat. Genet. 36:40-45(2004).

---

Note: This product is for in vitro research use only