

STK36 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11857a**Specification**

STK36 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9NRP7](#)**STK36 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 27148**Other Names**

Serine/threonine-protein kinase 36, Fused homolog, STK36 {ECO:0000312|EMBL:AAH261581}

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STK36 Antibody (N-term) Blocking peptide - Protein Information**Name** STK36 {ECO:0000312|EMBL:AAH26158.1}**Function**

Serine/threonine protein kinase which plays an important role in the sonic hedgehog (Shh) pathway by regulating the activity of GLI transcription factors (PubMed:10806483). Controls the activity of the transcriptional regulators GLI1, GLI2 and GLI3 by opposing the effect of SUFU and promoting their nuclear localization (PubMed:10806483). GLI2 requires an additional function of STK36 to become transcriptionally active, but the enzyme does not need to possess an active kinase catalytic site for this to occur (PubMed:10806483). Required for postnatal development, possibly by regulating the homeostasis of cerebral spinal fluid or ciliary function. Essential for construction of the central pair apparatus of motile cilia.

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, cilium axoneme. Note=Low levels also present in the nucleus.

Tissue Location

Expressed at low levels in most fetal tissues, adult ovaries and at high levels in adult testis, where

it is localized in germ cells (PubMed:10806483). Expressed in respiratory epithelial cells of the lung (PubMed:28543983).

STK36 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

STK36 Antibody (N-term) Blocking peptide - Images

STK36 Antibody (N-term) Blocking peptide - Background

This gene encodes the alpha 2 chain of type VIII collagen. The protein is a major component of the basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1(VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2.

STK36 Antibody (N-term) Blocking peptide - References

Hemadavi, B., et al. BMC Ophthalmol 10, 3 (2010) :Afshari, N.A., et al. Invest. Ophthalmol. Vis. Sci. 50(3):1093-1097(2009)Liskova, P., et al. Br J Ophthalmol 91(12):1717-1718(2007)Aldave, A.J., et al. Cornea 26(8):963-965(2007)Zhang, C., et al. Trans Am Ophthalmol Soc 104, 85-97 (2006) :