

STK36 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2952a**Specification**

STK36 Antibody (C-Term) - Product Information

Application	E
Primary Accession	O9NRP7
Other Accession	NP_056505.1 , 27148
Predicted	Human, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	143995

STK36 Antibody (C-Term) - Additional Information**Gene ID** 27148**Other Names**Serine/threonine-protein kinase 36, 2.7.11.1, Fused homolog, STK36
{ECO:0000312|EMBL:AAH26158.1}**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

STK36 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

STK36 Antibody (C-Term) - 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 (C-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STK36 Antibody (C-Term) - Images**STK36 Antibody (C-Term) - References**

A possible role of mouse Fused (STK36) in Hedgehog signaling and Gli transcription factor regulation. Maloveryan A, Finta C, Osterlund T, Kogerman P. Journal of Cell Communication and Signaling 2007 Dec 1 (3-4): 165-73. PMID: 18600476