

Anti-STK36 Antibody (aa373-422)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18057

Specification

Anti-STK36 Antibody (aa373-422) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q9NRP7
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	143995

Anti-STK36 Antibody (aa373-422) - Additional Information

Gene ID 27148

Alias Symbol **STK36**
Other Names
STK36, Fused homolog, KIAA1278, FU, Serine/threonine kinase 36

Target/Specificity

STK36 Antibody antibody detects endogenous levels of STK36.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-STK36 Antibody (aa373-422) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-STK36 Antibody (aa373-422) - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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).

Anti-STK36 Antibody (aa373-422) - 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](#)

Anti-STK36 Antibody (aa373-422) - Images