

# Anti-STK36 Antibody (aa373-422)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18057

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9NRP7</a>
<b>Predicted</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	143995

## Additional Information

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<b>Gene ID</b>	27148
<b>Alias Symbol</b>	STK36
<b>Other Names</b>	STK36, Fused homolog, KIAA1278, FU, Serine/threonine kinase 36
<b>Target/Specificity</b>	STK36 Antibodyantibody detects endogenous levels of STK36.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-STK36 Antibody (aa373-422) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	STK36 {ECO:0000312   EMBL:AAH26158.1}
<b>Function</b>	Serine/threonine protein kinase which plays an important role in the sonic hedgehog (Shh) pathway by regulating the activity of GLI transcription factors (PubMed: <a href="#">10806483</a> ). Controls the activity of the transcriptional regulators GLI1, GLI2 and GLI3 by opposing the effect of SUFU and promoting their nuclear localization (PubMed: <a href="#">10806483</a> ). 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: <a href="#">10806483</a> ). 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.
<b>Cellular Location</b>	Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, cilium axoneme. Note=Low levels also present in the nucleus.
<b>Tissue Location</b>	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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.