

Rabbit STK36 Polyclonal Antibody | anti-STK36 antibody

STK36 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325115	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STK36; Polyclonal Antibody; STK36 Antibody; FU; Fused homolog; KIAA1278; Serine/threonine kinase 36; fused homolog; Serine/threonine protein kinase 36 fused homolog; Serine/threonine-protein kinase 36; STK36_HUMAN; anti-STK36 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STK36 antibody detects endogenous levels of total STK36
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1294
Applicable Applications for anti-STK36 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus
Tissue Specificity	Expressed at low levels in most fetal tissues, adult ovaries and at high levels in adult testis, where it is localized in germ cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (86%), Horse (93%), Sheep (86%), Dog (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325115 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of STK36 expression in Mouse muscle lysate



WB (Western Blot)

Western blot analysis of extracts from mouse brain, rat brain, using STK36 Antibody.



IHC (Immunohistochemistry)

AAA325115 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using STK36 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STK36 antibody

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 (By similarity). Essential for construction of the central pair apparatus of motile cilia. Subunit Structure: Interacts with GLI1, GLI2 and GLI3 (PubMed:10806483). Interacts with SPAG16 and KIF27. Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	343183344
NCBI GeneID	27148
NCBI Accession #	NP_001230242.1
NCBI GenBank Nucleotide #	NM_001243313.1
UniProt Accession #	Q9NRP7; Q8TC32; Q9H9N9; Q9UF35; Q9ULE2; B7WPM3
Molecular Weight	Observed: 170 kD Predicted: 144 kDa
NCBI Official Full Name	serine/threonine-protein kinase 36 isoform 2
NCBI Official Synonym Full Names	serine/threonine kinase 36
NCBI Official Symbol	STK36
NCBI Official Synonym Symbols	FU

NCBI Protein Information	serine/threonine-protein kinase 36
UniProt Protein Name	Serine/threonine-protein kinase 36
UniProt Gene Name	STK36

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stk36-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325115>