

Datasheet for ABIN2783469
anti-STK3 antibody (C-Term)

6 Images

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Overview

Quantity:	100 µL
Target:	STK3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human STK3
Sequence:	IEHNSTMLES DLGTMVINSE DEEEEDGTMK RNATSPQVQR PSFMDYFDKQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against STK3. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	STK3
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Target Details

Alternative Name: STK3 ([STK3 Products](#))

Background: Protein kinase activation is a frequent response of cells to treatment with growth factors, chemicals, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cells to resist unfavorable environmental conditions. The yeast 'sterile 20' (Ste20) kinase acts upstream of the mitogen-activated protein kinase (MAPK) cascade that is activated under a variety of stress conditions. MST2 was identified as a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand. Protein kinase activation is a frequent response of cells to treatment with growth factors, chemicals, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cells to resist unfavorable environmental conditions. The yeast 'sterile 20' (Ste20) kinase acts upstream of the mitogen-activated protein kinase (MAPK) cascade that is activated under a variety of stress conditions. MST2 was identified as a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand (MIM 134638) (Taylor et al., 1996 [PubMed 8816758], Lee et al., 2001 [PubMed 11278283]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-11 U26424.1 1-11 12-2826 BC010640.2 1-2815

Alias Symbols: FLJ90748, KRS1, MST2

Protein Interaction Partner: RASSF2, SLMAP, TRAF1, GAD1, FAM9B, RASSF4, GMCL1, TFPT, FBXW11, UBC, AURKB, RAE1, YWHAB, TSPYL1, STRN, STK4, PRKRIR, PLK1, RASSF5, SAV1, CTTNBP2NL, MOB1A, MAP1S, STRN3, STRN4, LATS2, FGFR1OP2, MOB4, RASSF1, ERLIN2, KIF2C, RASSF3, RUNDC3B, MOB1B, STRIP1, S

Protein Size: 491

Molecular Weight: 56 kDa

Gene ID: 6788

NCBI Accession: [NM_006281](#), [NP_006272](#)

UniProt: [Q13188](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

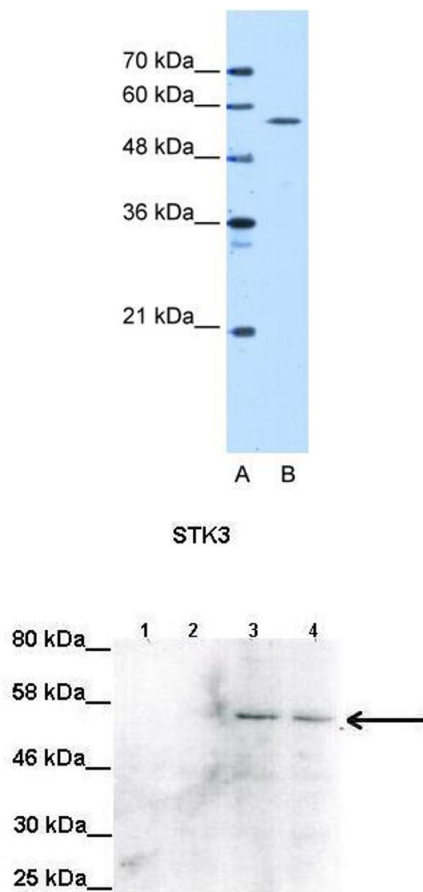
Comment: Antigen size: 491 AA

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



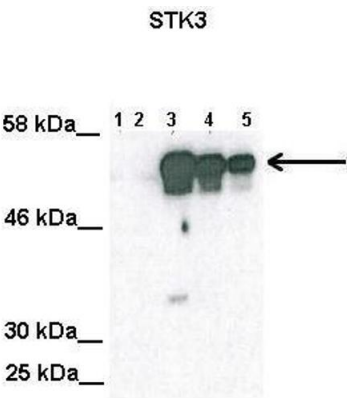
Western Blotting

Image 1. WB Suggested Anti-STK3 Antibody Titration:
5.0ug/ml Positive Control: HepG2 cell lysate

Western Blotting

Image 2. Lanes: Lane1: 100ug uninduced RPE-1 lysate
Lane2: 100ug uninduced RPE-1 lysate Lane3: 100ug STK3
induced RPE-1 lysate Lane4: 100ug STK3 induced RPE-1
lysate Primary Antibody Dilution: 1:2000 Secondary
Antibody: Anti-rabbit HRP Secondary Antibody Dilution:
1:5000 Gene Name: STK3 Submitted by: Anonymous

See Immunoblot 3 Data and Customer Feedback for more information



Western Blotting

Image 3. Lanes: Lane1: 100ug untransfected COS-7 lysate
Lane2: 100ug mock transfected Cos-7 lysate Lane3: 100ug
STK3 transfected Cos-7 lysate Lane4: 50 ug STK3
transfected Cos-7 lysate Lane5: 25 ug STK3 transfected
Cos-7 lysate Primary Antibody Dilution: 1:2000 Secondary
Antibody: Anti-rabbit HRP Secondary Antibody Dilution:
1:5000 Gene Name: STK3 Submitted by: Anonymous

See Immunoblot 2 Data and Customer Feedback for more information

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2783469.