

Mouse Stk32a Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17314b

Product Information

Application	WB, E
Primary Accession	Q8BGW6
Other Accession	XP_001477653.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37142
Calculated MW	46509
Antigen Region	347-374

Additional Information

Gene ID	269019
Other Names	Serine/threonine-protein kinase 32A, Stk32a {ECO:0000312 MGI:MGI:2442403}
Target/Specificity	This Mouse Stk32a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 347-374 amino acids from the C-terminal region of mouse Stk32a.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Stk32a Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Stk32a {ECO:0000312 MGI:MGI:2442403}
Function	Probable serine/threonine kinase with currently unidentified substrates. In the inner ear, functions as a planar cell polarity (PCP) factor acting

antagonistically to EMX2. It regulates the orientation of stereociliary bundles in hair cells by interacting with the PCP signaling pathway in opposition to EMX2 (PubMed:[37144879](#)). Additionally, it may play a role in controlling the apical localization of the GPR156 receptor in inner ear hair cells (PubMed:[37144879](#)).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8WU08}; Lipid-anchor {ECO:0000250|UniProtKB:Q8WU08}

Tissue Location

Expressed in hair cells on one side of the line of polarity reversal (LPR) in a pattern complementary to Emx2 expression in hair cells on the opposite side.

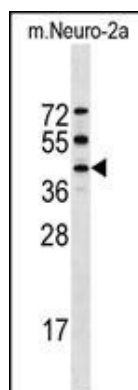
Background

STK32A is a member of the serine/threonine protein kinase family. The specific function of this kinase is not known.

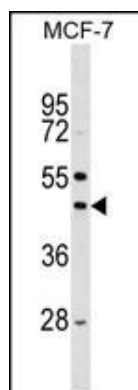
References

Gallardo, T.D., et al. Genetics 177(1):179-194(2007)

Images



Mouse Stk32a Antibody (C-term) (Cat. #AP17314b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Stk32a antibody detected the Stk32a protein (arrow).



Mouse Stk32a Antibody (C-term) (Cat. #AP17314b) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the Stk32a antibody detected the Stk32a protein (arrow).

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