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Datasheet for ABIN498345 anti-KSR2 antibody

2 Images



Overview

Quantity:	0.1 mg
Target:	KSR2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KSR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of Kinase suppressor of Ras 2. (region surrounding lle694)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse. Species reactivity (tested):Human.
Purification:	Affinity chromatography
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	KSR2
Alternative Name:	Kinase Suppressor of Ras 2 (KSR2 Products)
Background:	Kinase suppressor of Ras (KSR) and MAP kinase kinase kinase (MEKK3) are integral members

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	of the MAP kinase pathway. Ksr is a conserved protein that positively regulates Ras signaling
	and may function as a scaffold for Raf, MEK and ERK. There are two types of Ksr proteins: Ksr-
	1 and Ksr-2. These two are individually necessary for a few specific Ras-dependent processes,
	but they are required together for most aspects of Ras-mediated signaling. Ksr-2 plays a key
	role in Ras-mediated signaling during germline meiotic progression and functions redundantly
	with Ksr-1 during the development of the excretory system pathway, hermaphrodite vulva and
	male spicules. Ksr-2 also functions as a negative regulator of the MEKK3-mediated activation
	of the MAP kinase pathways (specifically ERK and JNK) and of the NFKB pathways, and it
	simultaneously inhibits MEKK3-mediated IL-8 production.Synonyms: KSR-2, KSR2, hKSR-2,
	hKSR2
Molecular Weight:	approx. 108 kDa
Gene ID:	283455
NCBI Accession:	NP_775869
UniProt:	Q6VAB6
Application Details	
Application Notes:	Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200. Immunofluorescence: 1/50
	- 1/200.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS) with 0.05 % Sodium azide, approx. pH 7.2.
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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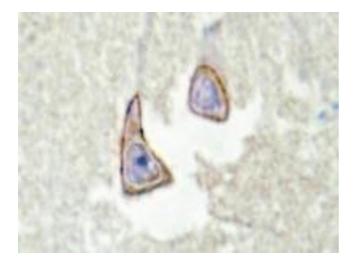
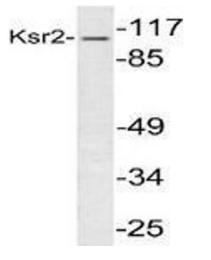




Image 1. Immunohistochemistry analysis of KSR2 in human brain tissue (Formalin-fixed, Paraffin-embedded) using Kinase suppressor of Ras 2 antibody.

Western Blotting

Image 2. Western blot analysis of KSR2 in extracts from 293 cells using Kinase suppressor of Ras 2 antibody .



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