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# Datasheet for ABIN392244 anti-ARAF antibody (AA 256-286)

2 Images



#### Overview

Quantity:	400 µL
Target:	ARAF
Binding Specificity:	AA 256-286
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARAF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This A-RAF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 256-286 amino acids from the Central region of human A-RAF.
Clone:	RB03325
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	ARAF
Alternative Name:	A-RAF (ARAF1) (ARAF Products)

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## Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,
	generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this
	basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells,
	regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement
	and cell movement, apoptosis, and differentiation. With more than 500 gene products, the
	protein kinase family is one of the largest families of proteins in eukaryotes. The family has
	been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or
	serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7,
	11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK)
	cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades,
	consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best
	characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface
	receptors and activate yeast MAPK pathway.
Molecular Weight:	67585
Gene ID:	369

NCBI Accession:	NP_001243125, NP_001243126, NP_001645
UniProt:	P10398
Pathways:	MAPK Signaling, RTK Signaling, Hepatitis C

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

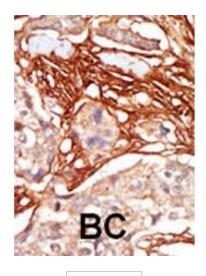
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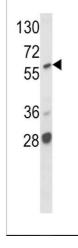
#### aliquots to prevent freeze-thaw cycles.

Expiry Date:

6 months

#### Images





#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

#### Western Blotting

**Image 2.** Western blot analysis of hARAF1- (ABIN392244 and ABIN2841935) in MCF7 cell line lysates ( $35 \mu g$ /lane). ARAF1 (arrow) was detected using the purified Pab.

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