Datasheet for ABIN392073

anti-DOK4 antibody (C-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	DOK4
Binding Specificity:	AA 228-258, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DOK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DOK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 228-258 amino acids from the C-terminal region of human DOK4.
Clone:	RB1779-1780
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DOK4

Target Details

Alternative Name:	DOK4 (DOK4 Products)
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 tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Molecular Weight:	37028
Gene ID:	55715
NCBI Accession:	NP_060580
UniProt:	Q8TEW6

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 aliquots to prevent freeze-thaw cycles.

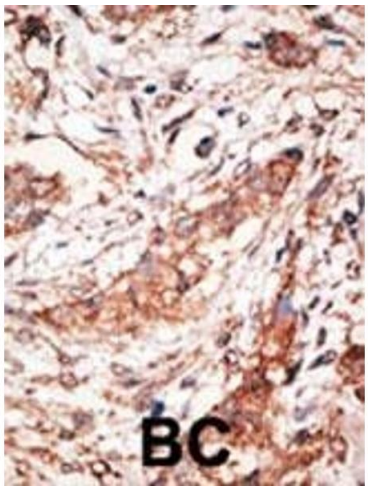
Handling

Expiry Date:	6 months

Publications

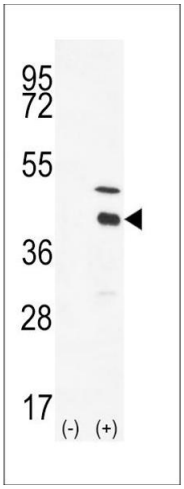
Product cited in:	Lin, Liu, Sun, Yuan, Zhang, Chen: "Establishment and characterization of a tamoxifen-mediated reversible immortalized mouse dental papilla cell line." in: **In vitro cellular & developmental biology. Animal**, Vol. 49, Issue 2, pp. 114-21, (2013) (PubMed). Kaushik, Arias, Kwon, Lopez, Athonvarangkul, Sahu, Schwartz, Pessin, Singh: "Loss of autophagy in hypothalamic POMC neurons impairs lipolysis." in: **EMBO reports**, Vol. 13, Issue 3, pp. 258-65, (2012) (PubMed).

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 DAB 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 DOK4 (C-term) (arrow) using DOK4 Antibody (C-term) (ABIN392073 and ABIN2841835). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the DOK4 gene (Lane 2) (Origene Technologies).