

Datasheet for ABIN6992120
anti-DIRAS3 antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	DIRAS3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIRAS3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	DIRAS3 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human DIRAS3. The immunogen is located within the last 50 amino acids of DIRAS3.
Isotype:	IgG
Specificity:	DIRAS3 antibody is human specific.
Purification:	DIRAS3 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	DIRAS3
Alternative Name:	DIRAS3 (DIRAS3 Products)
Background:	DIRAS3 is a member of the ras superfamily, and is expressed in normal ovarian and breast

Target Details

epithelial cells, but not in ovarian and breast cancers. It is an imprinted gene, with mono-allelic expression of the paternal allele, which is associated with growth suppression and down-regulation of cyclin D1 promoter activity and induction of p21 (WAF/CIP1). Thus, this gene appears to be a putative tumor suppressor gene whose function is abrogated in ovarian and breast cancers (1). DIRAS3 has been shown to induce autophagy in human ovarian cancer cells by blocking PI3K signaling, inhibiting the mammalian target of rapamycin (TOR), upregulating ATG4, and colocalizing with LC3 in autophagosomes (2). DIRAS also interacts with C-RAF and downregulates mitogen-activated protein kinase kinases (MEK) to restrict cell migration (3).

Molecular Weight: Predicted: 25 kDa
Observed: 24 kDa

Gene ID: 9077

NCBI Accession: [NP_004666](#)

UniProt: [O95661](#)

Application Details

Application Notes: DIRAS3 antibody can be used for detection of DIRAS3 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: DIRAS3 antibody is supplied in PBS containing 0.02 % 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: -20 °C, 4 °C

Storage Comment: DIRAS3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.