



# Anti-RNF144B monoclonal antibody, clone 7C22 (DCABH-413)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to IBRDC2
<b>Antigen Description</b>	E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates such as LCMT2, thereby promoting their degradation. Induces apoptosis via a p53/TP53-dependent but caspase-independent mechanism. However, its overexpression also produces a decrease of the ubiquitin-dependent stability of BAX, a pro-apoptotic protein, ultimately leading to protection of cell death; But, it is not an anti-apoptotic protein per se.
<b>Immunogen</b>	Recombinant full length Human IBRDC2 produced in HEK293T cells (NP_877434).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	7C22
<b>Purification</b>	This antibody is purified from Mouse ascites fluid by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, Flow Cyt, ICC/IF
<b>Positive Control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY IBRDC2 cDNA; HEK293T cells transfected with either pCMV6-ENTRY IBRDC2 overexpress plasmid; COS7 cells transiently transfected by pCMV6-ENTRY IBRDC2; HeLa and Jurkat cells.
<b>Format</b>	Liquid

<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 1% BSA, 50% Glycerol, 48% PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RNF144B ring finger protein 144B [ Homo sapiens ]</a>
<b>Official Symbol</b>	RNF144B
<b>Synonyms</b>	RNF144B; ring finger protein 144B; IBR domain containing 2 , IBRDC2; E3 ubiquitin-protein ligase RNF144B; bA528A10.3; IBR domain containing 2; IBR domain-containing protein 2; p53-inducible RING finger protein; PIR2; IBRDC2; p53RFP; KIAA0161; MGC71786;
<b>Entrez Gene ID</b>	<a href="#">255488</a>
<b>Protein Refseq</b>	<a href="#">NP_877434</a>
<b>UniProt ID</b>	<a href="#">Q7Z419</a>
<b>Chromosome Location</b>	6p22.3
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Immune System, organism-specific biosystem;
<b>Function</b>	ligase activity; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding;